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COLLEGE
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UNIVERSITY COLLEGE ANNUAL REPORT

1951-1952

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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RT HON. LORD NORMAND, LL.D.

TREASURER

DAVID HERON, M.A., D.SC.
[To 29 February 1952]

SIR FREDERICK JAMES, C.B.E.
[From 1 March 1952]

PROVOST

B. IFOR EVANS, M.A., D.LIT.

SECRETARY

E. A. L. GUETERBOCK, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

Dr B. Ifor Evans, Fellow of University College, and formerly Principal of Queen Mary College, succeeded Sir David Pye as Provost on 1 October 1951.

The office of Treasurer of the College was resigned by Dr David Heron in February 1952, and we should like to record here our appreciation of the generous and invaluable services given to the College by Dr Heron during the six years he has held this office. We are happy to know that he will continue to assist the College as a member of the College Committee, and of some of the other main committees which have for many years benefited by his wise counsel.

In March 1952, Sir Frederick James, who has been a member of the College Committee and Finance Sub-Committee since 1948, became Treasurer in Dr Heron's place.

We regret very sincerely the illness which has deprived the College of the helpful presence of Sir Robert Waley Cohen during the greater part of the session. We have missed the active and effective assistance he has given so unsparingly to the College in recent years.*

By the retirement of Mr D. Orson Wood at the end of the academic year the students of the College have lost one who has been tireless in the devoted service he has given them as Senior Tutor since 1940, as Tutor to Science Students since 1933, and as a member of the staff of the Physics Department since 1910. Dr R. D. McLellan has been appointed to succeed him as Senior Tutor.

OBITUARY

We record with deep regret the loss suffered by the College during the year by the death of three members of the academic staff: Mr C. W. Bayliss, Senior Lecturer in the Department of Electrical Engineering of which he had been a member for the past twenty-five years; Dr A. Schweitzer, Reader in Experimental Physiology, whose death in a climbing accident in Switzerland has cut short an outstanding academic career; and Dr S. J. F. Philpott, who entered the College as an undergraduate in 1912, became a member of the staff

* Before this Report was published the College heard with deep regret of the death of Sir Robert Waley Cohen on 27 November 1952.

of the Psychology Department in 1920, and has for many years been a friend and counsellor to students in that department.

The death of Professor C. B. Fawcett, less than three years after his retirement, has left us with a keen sense of loss. During the twenty-one years he held the Chair of Geography he made a noteworthy contribution to the life and work of the College. He was a very active member of the College branch of the Association of University Teachers, and was President of the national body during the year 1945–46.

News of the death of Sir Jack Drummond in France gave profound sorrow to those who remember his genial presence in the College as Professor of Biochemistry from 1922 to the outbreak of war, when he went to the Ministry of Food as Scientific Adviser. He relinquished the Chair of Biochemistry at the College in 1945.

Dr L. Newcombe, who died in May 1952, will be remembered not only as Librarian of the College from 1922 to 1926, but for his many years service to the University of London Contingent of the Officers Training Corps, of which he ultimately became Commanding Officer. He left the College to take the post of Librarian at the National Central Library.

ACADEMIC STAFF APPOINTMENTS AND RESIGNATIONS

A full list of appointments and resignations is given in Appendix VI, but special reference must be made to the fact that no less than nine Professors have taken up their appointments in the course of the session. All these appointments were recorded in the Annual Report for 1950–51 except that of Mr H. Terrey who was appointed in January 1952 to the Chair of Chemistry which had been vacant since the death of Professor Sugden. Mr Terrey was formerly a Reader in the department and has a long record of service in the College.

The Goldsmid Chair of Mathematics, which has been unoccupied since Professor Massey transferred to the Quain Chair of Physics in 1950, has been filled by the appointment of Mr W. R. Dean of Trinity College, Cambridge. Mr Dean takes up his duties in October 1952.

In the course of the year four members of the staff have been appointed to chairs elsewhere.

ACADEMIC ACTIVITIES

In the section of the Annual Report entitled 'Work of the Faculties' information will be found about activities in various departments of

the College, and lists of publications give some indication of the progress of research. Only brief mention can be made here of certain matters of special interest concerning the work of staff and students.

FACULTY OF ARTS

In December 1951, Professor Daryll Forde of the Department of ANTHROPOLOGY attended the Fourth International Conference of West Africanists at Fernando Po, Spanish Guinea, as Chairman of the Anthropological and Ethnological Section. Subsequently he made a brief study journey in Nigeria and the Gold Coast to review the field research of postgraduate students attached to the department; and, later in the session, he presented a paper on Applied Anthropology in British Territories in Africa at the Wenner–Gren Foundation International Symposium on Anthropology in New York.

Three former students of the BARTLETT SCHOOL OF ARCHITECTURE were among the five candidates selected for the final examination for the Rome Scholarship in 1952. It is gratifying also to record that the French Government has recognized the B.A.(Arch.) Degree and the Diploma in Architecture as qualifications for exemption from their own State Diploma, and that in a competition between French and British schools of Architecture held in 1951 the first and second prizes were awarded to students of the Bartlett School. Several senior students of the School have been awarded postgraduate scholarships for study in France, Spain, Canada and the United States of America. Recognition has been given to the Certificate Course in Decoration by our own Ministry of Education for the purpose of entry to the Ministry's National Diploma in Design (Interior Decoration).

After nearly twenty-five years in the School, Mr L. Stuart Stanley resigned at the end of the academic year. He has been succeeded as Tutor by Mr White-Cooper who has been acting for him in this capacity during his recent period of absence.

Professor J. R. Sutherland's return to the Department of ENGLISH LANGUAGE AND LITERATURE as the new Lord Northcliffe Professor of Modern English Literature has been a source of great pleasure, not only to those within the department, but to many elsewhere in the College who knew him when he was with us as a Lecturer in the pre-war years. Professor Smith has been appointed Director of the English Place-Name Society, and the Survey now returns to University College where it was carried on when Sir Allen Mawer was its Director.

Some outstanding distinctions have been won by students of the

SLADE SCHOOL OF FINE ART: Mr H. Inlander was awarded the Rome Scholarship in Painting; Mr Harold Cohen and Miss Barbara Braithwaite, Travelling Scholarships in Painting by the Abbey Council; and Mr R. W. Smith, a French State Scholarship.

Professor H. C. Darby of the GEOGRAPHY Department visited the University of Chicago during the summer of 1952 where he gave special lectures in Historical Geography. Together with Mr E. H. Brown and Dr W. R. Mead, he attended the XVIIth International Geographical Congress in Washington.

After twenty years' service in the Department of GERMAN Dr K. W. Maurer resigned his appointment to take up an Assistant Professorship in the University of Manitoba.

An important development in the Department of HEBREW has been that students taking the Honours course have prepared for the first time for degrees in Hebrew–Assyrian, Hebrew–Arabic, and Hebrew–Egyptian. Hitherto, study has been confined to Hebrew–Aramaic. The widened scope of the course has necessitated close collaboration with the Department of Egyptology and with the Departments of Arabic and Assyriology at the School of Oriental Studies. It is hoped that the study of these long-neglected subjects will prove useful for the continuity of scholarly traditions in remote fields of learning.

Professor W. G. Holford of the Department of TOWN PLANNING spent the second half of the session as Visiting Professor of Regional Planning at the University of Harvard, and prepared a report for the President and Fellows on the future of the Graduate School of Design.

FACULTY OF SCIENCE

Mr D. Orson Wood retired from the office of Sub-Dean of the Faculty and Tutor to Science Students at the end of the session and is to be succeeded by Dr R. E. Gibbs.

Dr C. W. Allen arrived from Canberra early in November 1951 to take up his appointment as Perren Professor of ASTRONOMY and Director of the University Observatory at Mill Hill, which has now become a part of the College.

The problem of securing ground suitable for growing plants for research by the BOTANY Department was solved towards the end of the academic year by the generosity of the Nuffield Foundation. The Foundation has recently acquired Grove House in Regent's Park as a new headquarters, and has made part of the extensive grounds available to the College for botanical research. It will be

known as the Nuffield Botanic Garden. In the first instance, the work will deal with the breeding of native British plants from widely different habitats and places, so as to allow some assessment to be made of the influence of hereditary factors and of the habitat in producing unusual forms. Further progress in Dr Harrison's work on sexuality in plants will also be possible.

The proceedings of the Conference of Dynamics and Ionized Media, held in the Department of PHYSICS in April 1951, were written up in the course of the session, and have enjoyed a wide international circulation.

In June 1952 the Medical Research Council's Group for Research in Industrial Psychology was incorporated in the Laboratory of the PSYCHOLOGY Department, with Professor R. W. Russell as Honorary Director and Mr J. W. Whitfield as Honorary Deputy Director.

Emeritus Professor D. M. S. Watson, who was succeeded by Professor P. B. Medawar as Jodrell Professor of ZOOLOGY AND COMPARATIVE ANATOMY in October 1951, has spent the greater part of the session at Harvard, where he has been appointed to a Research Professorship. He is expected to resume his palaeontological work in the College early in 1953.

FACULTY OF ENGINEERING

Professor B. J. Lloyd-Evans became Dean of the Faculty in October 1951.

A new development in the Department of CHEMICAL ENGINEERING which, we understand, is already a popular development in America, has been the establishment of an engineering practice school to supplement works visits. This was held during the long vacation at Shell Haven by the kind permission of the Shell Organization. Working in a team under the guidance of a member of the staff of the Department, students have gained practical experience on the problems which will be set them in the future.

FACULTY OF MEDICAL SCIENCES

Professor G. L. Brown held the office of Dean of the Faculty throughout the session. Dr J. T. Aitken, who has served the Faculty as Sub-Dean and Tutor since 1946, resigned these appointments at the end of the session and will be succeeded in them by Mr K. C. Richardson.

The achievements in the Department of ANATOMY AND EMBRYOLOGY are specially notable in view of the difficulties

created by the construction of a new floor on top of the Anatomy building. In spite of these operations, necessitating the removal of all research and animals from the top floor, the full programme of teaching has been maintained and much research has been done.

The BIOPHYSICS Research Unit directed by Professor A. V. Hill became a department within the Faculty of Medical Sciences at the beginning of the session. Professor Hill relinquished his appointment as Foulerton Professor of the Royal Society at the end of 1951; and, since then, has been continuing his research on muscular activity in the Physiology Department. Dr B. Katz was appointed to the University Chair of Biophysics in January 1952 and became head of the Biophysics Department.

THE LIBRARY

The most important development in the Library has been the establishment of the catalogue hall in the restored main building of the College at the beginning of the session, and the subsequent opening of seven reading rooms there after the Easter vacation. The main catalogue is now available for consultation for the first time since the war, and the walls of the catalogue hall provide shelf-space for a comprehensive collection of bibliographical works. The inauguration of the new reading rooms has made possible the concentration of most of the Arts books and periodicals in the main building and has also permitted the transfer to the General Library of the Law Library, hitherto accommodated in inadequate quarters in Foster Court.

It has now become possible to place at the disposal of the Library certain areas in the basement of the main building, and some thousands of additional volumes, inaccessible to readers since the war owing to storage in the basement of the National Central Library, can now be produced on demand.

Further important additions were made to the Library in Scandinavian Studies, and we record with particular pleasure the generosity of the Danish Ministry of Education in making a grant of 2,000 kroner to be spent on works in Danish literature for the College Library. The most pressing need, however, if the Scandinavian Library is to be re-established on its pre-war scale, is for the development of its Icelandic section. To this end efforts are being made to secure a library from Iceland, and we are glad to be able to report that, in addition to the offer of £1,000 made by an anonymous donor and recorded in the last annual report, the Sir Halley Stewart Trust has generously offered £500, Hambro's Bank fifty guineas and

the Cassel Educational Trust fifty pounds, towards the purchase price of such a library. An important bibliographical tool for scholars in the field of Scandinavian Studies in this country has been created by the completion of a union catalogue of Swedish books in the humanities and books about Sweden in the College Library, and of books published in Sweden or in the Swedish language since 1889 in the British Museum.

STUDENT AFFAIRS

Student activities are dealt with by the President of the Union elsewhere in the Annual Report. We would however make special mention here of the election in March 1952 of the first woman President of the Union in the history of University College. To Miss Sheila M. FitzGerald has fallen this unique distinction which has been made possible by the post-war amalgamation of the Union Society and the Women's Union Society.

STUDENTS' RESIDENTIAL ACCOMMODATION

The structural alterations which prevented full use being made of Bentham Hall during 1950–51 were completed early in 1952, and 144 members of the College were in residence during the latter part of the session. Much of the credit for the success of this first attempt since the war to re-establish a College hostel for men students is due to Mr R. B. Freeman, the Warden, ably assisted by the House Warden, Mrs Cunyngham Brown.

The forty-three occupants of our College Rooms in Gower Street continue to be the only women students having the good fortune to reside in College accommodation. We hope however that negotiations, which are proceeding with the University for the acquisition of a number of houses in Taviton Street, will ultimately give us a hall of residence that will provide accommodation for about 100 women students.

The rooms for students of the Slade School at 28–29 Cartwright Gardens were only partially occupied during the session because the back walls were found to be in a dangerous condition and have had to be rebuilt. Re-occupation of both houses will be possible in October 1952.

The project to build a large hostel block on a site in Fitzroy Street has made little progress. In addition to two houses, 115 and 117 Whitfield Street, already acquired, the sites of 20 and 22 Maple Street were purchased during the session.

STUDENT HEALTH ASSOCIATION

The steady progress which has characterized the activities of the Association since its inception has been fully maintained, and all sections of the College community have made increasing use of the services offered. Dr N. Malleson, the full-time Physician-in-charge, has had the assistance of two part-time medical officers, an ophthalmic surgeon and a psychiatrist, and has a growing list of patients registered under the National Health Service Act.

The X-ray survey organized by the Association was accepted as a desirable check by the whole student body with very few exceptions. A substantial number of postgraduate students and many members of the College staff also attended for examination.

OLD STUDENTS' ASSOCIATION

Mr F. E. Warner has succeeded Dr P. Dunsheath as President of the Association. Besides the usual functions organized by the Association, a party was given by members of the Association to a number of present senior students of the College. The success of this venture justifies the expectation that it will become an annual event. A new member of the Association, now resident in Toronto, has offered to bring together any old students living, or intending to live in Canada, and it is hoped that this will develop into an active section of the Association.

SPECIAL EVENTS

The INAUGURATION OF THE NEW HONORARY FELLOWS AND FELLOWS was held on 29 April 1952 and was followed by the Fellows' Annual Dinner at which the toast of the new Fellows was proposed by Sir Archibald Gray, and that of the College by Dr G. B. Jeffery. The Provost, who presided, held a reception in the Flaxman Gallery before the Inauguration Ceremony, which took place in the General Library.

The TWENTY-THIRD RAMSAY MEMORIAL DINNER was held at the College on 19 June 1952, the centenary year of the birth of Sir William Ramsay. Sir Henry Tidy, his son-in-law, gave the toast 'Sir William Ramsay (1852–1952)'. The toast 'The Ramsay Memorial Fellows' was proposed by Sir Edward Mellanby, a Trustee. Dr H. J. Phelps, a British Ramsay Fellow 1929–30, responded on behalf of the British Fellows and Dr K. O. G. Kutschke, Canadian Fellow 1950–51, on behalf of the Overseas Fellows. There were seventy-three guests present. These included Sir Henry and Lady Tidy and their family, and cultural and science attachés repre-

senting many Commonwealth and foreign countries. The Provost announced to the guests that, to mark the centenary of the birth of Sir William Ramsay, Messrs British Celanese Limited and the Association of British Chemical Manufacturers Limited had each subscribed £1,000 to enable two British Fellows to be appointed to two-year Fellowships.

All arrangements were made before the end of the academic year for launching the RAMSAY CENTENARY APPEAL in October 1952, and preliminary approaches to firms had been made with the most generous response: indeed, nearly half the total amount of £100,000 required had been promised by 30 September.

THE ASSEMBLY OF FACULTIES took place at Friends' House on Thursday 3 July 1952. Though the character of the proceedings had been changed in certain respects at the suggestion of members of the Professorial Board, and the Provost's address in consequence was not confined to the detailed report of the session's work which it had been customary for his predecessors to deliver, the ceremony yet retained many of its usual features. The Special Visitor, Sir Maurice Bowra, Vice-Chancellor of the University of Oxford, gave an address on 'The Study of the Ancient World', and the programme of events at the College after the Assembly included a recital by the Music Society and performances by the Dramatic Society and the Country Dancing Club. These attracted large and appreciative audiences in spite of the fact that, on account of the wet weather, they were held inside the College instead of on the lawns of the Main Quadrangle.

FRIENDS OF UNIVERSITY COLLEGE

It has been encouraging that at this difficult stage in our development a number of distinguished former members of the College have conceived a plan, that has been approved by the College Committee, by which they might come to our assistance, not in our many academic and research needs, but in order to increase our College amenities. On the initiative of Sir William Strang, Sir Godfrey Ince, and Mr F. C. Hooper, all former members of this College, a plan has been devised for a body, to be called 'Friends of University College', which will welcome the association on a contributory basis of all members of this College interested in exploring ways in which some features of our life can be given more of that quality of a University atmosphere than, owing to physical conditions, they have been able as yet to possess. We hope that it may be possible to develop this plan in the course of the session 1952–53.

Others, apart from former members of the College, have already shown their interest in the Association.

COLLEGE SITES AND BUILDINGS

The restoration of the Main Building, which is being carried out under the direction of Professor Richardson, has been completed with the exception of certain minor matters. The building is now fully occupied and houses members of the Arts Faculty and a Library bookstack on the top floor, with Reading Rooms, a Catalogue Room and Library Offices on the first floor. On the ground floor are the Upper Refectory, the Joint Staff Common Room, the Women Staff Common Room, the Postgraduate Common Room, the Committee and Council Rooms, accommodation used by the Departments of Geology and Psychology, the Provost's Room and Office and the Accountant's Department.

The construction of the North Junction is proceeding and this building should be ready for occupation early in the session 1952–53. All foundation work and the erection of the structural steel for the South Junction have been completed and the building work is progressing.

In spite of delays in obtaining supplies of steel, the erection of Stage I of the new Physics building is proceeding. The excavation for the basement, the erection of the retaining walls and all foundation work was completed, and the structural steel work erected to the level of the first floor.

A new animal house and research rooms were constructed in the Department of Zoology.

A floor was added to the top of the Anatomy building to provide additional research space for Anatomy, Anthropology and other departments. The work was carried out under the direction of Professor Corfiato.

The University was successful in acquiring the freehold of 104 Gower Street on behalf of the College. The ground and first floors of this house will be used by the Department of Scandinavian Studies and the English Place-Name Society.

Negotiations for the purchase of the freehold of 100 and 102 Gower Street, 33 and 35 Torrington Place, and of the building on the East side of Malet Place are being conducted.

To this record of progress it is perhaps necessary to add that not all the accommodation which was destroyed by enemy action during the war has yet been replaced. Teaching and research in many academic departments is still restricted by inadequate accommoda-

tion; the need of the Library for a building to house a bookstack which would make available to readers the 155,000 books still stored inaccessibly in basements becomes more acute as time passes; the life and work of the College continues to be hampered by the lack of a great hall; and the Refectory still functions uneconomically in no less than four different places.

FINANCE

The finance of the College, in its current activities, has to be viewed against the common background of rising costs of goods and services, without mention of which no review, however short, would be complete. Although the College budgeted in 1951–52 to exceed its income by £20,655, it did so in the hope that certain additional grants would be received: such hopes have proved unavailing. The actual excess of expenditure over income for the year was about £30,000. This unfavourable position was reached despite strenuous efforts to curtail College activities in the face of rising costs and inadequate income.

The principal feature of the year which had profound influence upon the College's financial arrangements, was the issue of instructions by the University Grants Committee relating to the assessment of grants for the new quinquennium 1952–57. These instructions were to the effect that the grants were basically to maintain only the current level of activities and that no new commitments were to be undertaken which might have the effect of creating demands for new grants. In the light of these instructions, and also of the lack of income to finance new appointments, it was unavoidably necessary to postpone the filling of two professorial Chairs and of eighteen other new academic and technical appointments.

In 1951–52 all Capital Grants for new equipment for departments were discontinued thus reversing the practice of the three previous years, and causing substantial difficulties.

The impact of rising costs upon the Refectory services was severe and caused a situation in which the charging of economic prices largely passed beyond the financial resources of the student body, resulting in losses which could only fall on the general income of the College.

On the side of capital expenditure the progress made in the College's rehabilitation and development programme was reflected by expenditure of £328,275 which was greatly facilitated by satisfactory arrangements made by the University and the University

Grants Committee for the financing of these works. It is now possible to see the completion of a number of most valuable schemes of reconstruction and development and the major works upon the Main Building are approaching completion.

NORMAND, *Chairman*
B. IFOR EVANS, *Provost*

REPORT OF THE PRESIDENT OF THE STUDENTS' UNION

The Union during 1951–52 was a somewhat younger body than it has been in recent years. Few of those holding office in committees, clubs and societies were ex-service students, and many were carrying authority and responsibility for the first time.

We have much appreciated the new Provost's interest in our affairs. From the Union's point of view, staff-student relations have continued to be cordial, helped by the periodic lunch-hour meetings with members of the administration, and by the co-operation of the Senior Tutor and the Tutor to Women Students. We were particularly sorry to say good-bye to Mr D. Orson Wood, to whom the Union made a presentation at a sherry party given in his honour when he retired from the Senior Tutorship, and we look forward to co-operation with Dr R. D. McLellan.

Professor H. Terrey resigned at the end of the session from his office of Senior Treasurer after fourteen years' service first with the Men's Union Society, and since 1945 as joint Senior Treasurer with Dr Constance M. Rigby of the combined Union Society and Women's Union Society. Professor Terrey has been an unfailing friend to the Union, and his long association with us has made his advice invaluable on many occasions when the financial situation seemed bleak or unmanageable. We do not know how many long hours he must have spent on our books, but we do know that he was always willing to help inexperienced club treasurers with advice, and the Union Council and General Meetings with information and suggestions. We would like to place on record our gratitude. We welcome Dr E. A. Miskin and Mr R. C. FitzGerald, who between them will take over Professor Terrey's work for the Union. Dr Rigby, our other Senior Treasurer, was married during the session. We were not only delighted to congratulate her, but relieved to find that her changed circumstances did not make any difference to her willingness to continue as our chief financial officer.

The Union is still struggling with problems created by inadequate Union accommodation, and by the somewhat mean surroundings in which many of our functions have to be held. The gymnasium, particularly, is quite inadequate for all the demands made upon it, and the need is now even more acute for some covered sports accommodation within the College rectangle, separated from the gymnasium stage and piano which are constantly needed by Dramatic and Music Societies and for dances. The experience of the Union officers in trying to meet all the justifiable claims of clubs and societies, and their further difficulties in accommodating the committees who require office space, has impressed them with the need for the utmost priority to be given to the increasing of student accommodation by those who have to deal with the planning and allocation of new College buildings.

The College has helped to finance some of our efforts to improve the accommodation which is at our disposal. We now have the use of Hut F for a reading room; we have bought new curtains for the Rosa Morison hut and a heavy curtain to enable us to divide the Union Lounge. We have provided a safety-glass display cabinet for the Lounge, in which trophies won by our teams are now on show. A shop has been constructed across the eastern end of the Lounge, which, though it reduces sitting space, provides better and safer storage room for stationery, dance tickets, etc. We are grateful to the Warden of Bentham Hall for the loan of a cash register.

The method of collecting Union subscriptions has been simplified, and we now receive 9 per cent of the College fee income, instead of varying subscriptions paid by students with their fees. This has resulted in an increase in income, but since rising costs have affected the Union as much as other sections of College, there has been little margin for extra expenditure. The most fundamental change in our finances, however, has arisen from the withdrawal of the Medical Society of University College Hospital from joint ownership at Shenley. On the advice of the Athletic Ground Trustees, the Union decided to buy the Society's share when it found playing fields elsewhere. Legal negotiations are still proceeding, but when they are complete, the upkeep at Shenley will cost the Union considerably more. We have badly needed the extra pitches for many years, and the account, later in this report, of our teams' successes will indicate how much the added grounds mean to us.

As soon as the legal separation from the Medical Society is complete, the legal fusion of the men's and women's Union Societies will proceed. Our solicitors have now been able to arrive at a formula

which will provide for joint officials while still preserving separate existence for legal purposes. In the meantime, the two societies have passed resolutions prolonging the life of the present temporary joint-constitution for a further two years.

A second Freshers' Conference was held at the beginning of session, and is now established as a regular event. Interest in Union activities was again stimulated, with the result that nearly all elections for office were contested.

There was considerable student protest towards the end of the session against the sudden rise in Refectory prices, as a result of which the Union stepped in officially. A General Meeting was called to discuss the facts, and a resolution was passed drawing attention to the inadequacy of current maintenance grants to meet a student's cost of living, and urging the authorities to keep meal prices as low as possible. The subsequent provision of more varied menus, including some cheaper items, was noted with satisfaction.

The Rt Hon. Lord Justice Denning delivered the 1952 Foundation Oration on 'The Spirit of the British Constitution'. The Foundation Ball was held at the Royal Festival Hall, while in July the first Going Down Ball in a marquee erected in the Main Quadrangle was organized. The Union helped to run the London Students' Carnival in June, in aid of the Appeal Fund for a Students' T.B. Sanatorium, and sent three floats to join the procession through the London streets which ended with a special Gala Night at the Festival Gardens. The Union also took part in March in the University of London Union's Mardi Gras and Rum Fair in aid of the Jamaica Hurricane Relief Fund which was held at the Senate House.

A number of exchange visits have taken place between officers of the Union and those of other universities. Delegates have been sent to all Council meetings of the National Union of Students, and we have financed contingents to the N.U.S. Congress and Arts Festival. The President and the Chairman of our N.U.S. Committee were chosen by N.U.S. as two of the ten accredited observers sent to Bucharest to attend the Council Meeting of the International Union of Students. In March, a delegation of Chinese students, visiting Britain under the auspices of N.U.S., were entertained by this Union, who organized a meeting for them at which they answered questions put from a crowded audience.

Welfare Committee again arranged for the reception of all overseas students coming up for the first time, and met many of these personally on their arrival in London in order to help them to find their lodgings, or to look for accommodation for those without any.

They have also continued to co-operate with the N.U.S. Grants and Welfare Officer in the collection of information on students' grants.

Affiliated Societies active in the Union now number forty-eight, while the four Associated Societies have all had a successful year. Dramatic Society displayed considerable enterprise by producing for the first time in Britain a translation of the Danish play *Herod the King* by Kai Munk. A special performance was given at the Embassy Theatre, Swiss Cottage, which was attended by the Danish Ambassador and others. In addition, the Society produced *On ne saurait penser a tout* by de Musset at the Women's At Home, in a translation by a member of the Society: a long-forgotten Elizabethan comedy *Wily Beguiled* during the Assembly of Faculties; and *Twelfth Night* in Foundation Week. This last production was chosen among competitors from many Unions to appear at the N.U.S. Arts Festival, but unfortunately lack of finance prevented our participation.

Music Society, besides giving several choral and orchestral concerts, and recitals by the madrigal group, presented Nicolai's opera *The Merry Wives of Windsor*, and for Foundation Week a concert including Brahms' *Requiem* and the Beethoven Violin Concerto. Mr Anthony Addison ceased to be Director of Music on his appointment with the Carl Rosa Opera Company, and the Union, in appreciation of his imaginative and energetic work with the Music Society, made him an honorary Life Member.

Film Society not only organized two showings weekly throughout the session of film classics, but also completed a short farce with a College setting, *Restoration Comedy*, and began two serious productions—a film based on a story of Kafka, and a satire on the styles of various well-known film directors.

Debating Society held debates weekly though hampered to some extent by the lack of dignity and general unsuitability of their chamber, the Rosa Morison hut. The Foundation Debate on the usual motion 'That this House has no confidence in Her Majesty's Government' was followed by an excellent dinner.

Athletic successes were achieved by a number of clubs this year. We broke into a long series of King's successes, by carrying off the Trophy at the Commemoration Games and retaining it at the Foundation Games. With the extension of the grounds at Shenley in time for Foundation Week, we were able to offer hospitality on our own playing fields for the first time since the days of Perivale. New changing and eating accommodation there has enabled Lacrosse, Association, and Rugby Football Clubs to use the ground this year,

and in the summer the Athletics Club was accommodated there for the first time. Men's Hockey and Association Football won their respective University tournaments; the men's singles title in the University Table Tennis Tournament was won by a member of our team; the Swimming Club won the men's, women's, and relay events in the University championships; and the men's Tennis won their championship. Rowing has had another excellent year, the men's Boat finishing twelfth in the Chiswick Regatta Head of the River Race with the same time as the fastest Oxford College, winning the Allom Cup, and doing very well at Henley. The women's Boat won the University Head of the River Race. The Rifle Club won both the University leagues. The Boxing Club has been disassociated, as there are now no active members, but an active men's Basketball Club has been associated during the session. There are still thirty-one clubs associated with the Central Athletic Board.

Except when mentioning our senior members, I have refrained from naming individuals in this report because the number of students who have given excellent service to the Union is very great. I should, however, like to mention my colleagues on the Union Executive: Mr Lionel Levine and Miss Eva Linton, Vice-Presidents; Mr Frank Carmody, Secretary; and Mr Michael Davis, Junior Treasurer. As officers responsible to Council, we have tried to uphold the tradition handed down to us—that of making the Union as lively and all-embracing a community as possible. We have aimed not only at providing a wide variety of social and recreational activities, but also at maintaining the rôle of the Union as an organization alert to guard the welfare and interests of its members.

SHEILA M. FITZGERALD

President, 1952–1953

HONOURS AND APPOINTMENTS

The following are among the honours and appointments obtained by persons connected with the College of which information has been received.

RESIGNATION HONOURS 1951

O.B.E. — Mr Edward Geoffrey Cass, Private Secretary to the Prime Minister from 1949 to 1951 (Former Student)

NEW YEAR HONOURS 1952

K.C.B.	Dr Harold Percival Himsworth, Secretary, Medical Research Council (Fellow)
Knights Bachelor	Mr John Lucian Blake, Comptroller General, Patent Office (Former Student)
	Mr Hugh Maxwell Casson, lately Director of Architecture, Festival of Britain (Former Student)
	Dr David Randall Pye, Provost of University College, 1943–51 (Honorary Fellow)
	Dr John Knewstub Maurice Rothenstein, Director and Keeper of the Tate Gallery (Former Student)
C.M.G.	Mr Walter Adams, Secretary, Inter-University Council for Higher Education in the Colonies and the Colonial University Grants Advisory Committee (Former Student and Former Lecturer)
	Professor William Arthur Karunaratne, Professor of Pathology, University of Ceylon (Fellow)
C.B.E.	Mr Arundell James Kennedy Esdaile, for services to Librarianship and to Bibliography (Former Lecturer)
	Professor Thomas Percy Hilditch, lately Campbell Brown Professor of Industrial Chemistry, Liverpool University (Former Student)
O.B.E.	Mr Ernest Gerald Sutherland Elliott, Senior Planning Officer, Ministry of Housing and Local Government (Former Student)
	Mr Montague Russell Page, lately landscape architect for Festival Gardens, Ltd (Former Student)
	Major Arthur Ivor Wynne-Williams, Consulting Engineer to the head of the United Kingdom Ministry of Supply Staff, Australia (Former Student)
M.B.E.	Miss Marjorie Lilian Dence, Founder and Manager, Perth Repertory Company, for services to the Festival of Britain (Former Student)
	Mr Arthur John Garrett, lately staff scientist, Festival of Britain Office (Former Student)
	Miss Dorothy Scott Scully, Office Manager, Bacon Importers National (Defence) Association (Former Student)

QUEEN'S BIRTHDAY HONOURS 1952

Knights Bachelor	Professor Robert Eric Mortimer Wheeler, Secretary of the British Academy, Professor of Archaeology of the Roman Provinces, University of London (Fellow)
	Dr Bernard Augustus Keen, Director of East African Agriculture and Forestry Research Organisation (Fellow)

KNIGHT BACHELOR	Professor Ronald Aylmer Fisher, Arthur Balfour Professor of Genetics in the University of Cambridge (Former Professor)
C.B.	Mr Cecil Bernard Oldman, Principal Keeper, Printed Books Department, British Museum (Former Student, and Member of the School of Librarianship and Archives Committee)
C.B.E.	Professor William Menzies Coldstream, Slade Professor of Fine Art since 1949 (Former Student)
	Dr Thomas James Drakeley, Principal, Northern Polytechnic, London (Former Student)
	Mr John Newenham Summerson, Curator of Sir John Soane's Museum (Former Student)
	Mr Albert Harry Couzens, Commissioner of Labour, Nigeria (Former Student)
	Dr Sydney Alan Stormer Malkin, Vice-Chairman, Portland Training College for Disabled (Former Student)

PARLIAMENTARY ELECTION 1951

The following persons were re-elected as Members of Parliament:

Mr Alfred C. Bossom (Member, Architectural Education Committee, Donor of the Alfred Bossom Prizes in Architecture)	Maidstone Division (*Conservative*)
Mr Francis G. Bowles (Former Student)	Nuneaton (*Labour*)
Mr Arthur Colegate (Former Student)	Burton (*Conservative*)
Mrs Freda K. Corbet (Former Student)	Peckham Division (*Labour*)
Mr Ernest A. J. Davies (Former Student)	Enfield East (*Labour*)
Mr Edward Evans (Former Student)	Lowestoft Division (*Labour*)
Rt Hon. Hugh T. N. Gaitskell (Former Member of Staff)	South Leeds (*Labour*)
Mr Somerville Hastings (Former Student)	Barking (*Labour*)
Mr George W. Odey (Former Student and Former Member of College Committee)	Beverley, Yorks. (*Conservative*)

OTHER HONOURS AND APPOINTMENTS

Abercrombie, Professor Sir Patrick (Emeritus Professor)	Honorary D.Lit., University of London
Allen, Mr W. G. (Former Student)	Member, Royal Commission on Historical Monuments (England)
Arikpo, Mr D. O. (Former Student and Research Assistant)	Minister of Lands and Development, Central Government of Nigeria
Ayer, Professor A. J.	Fellow of the British Academy
Baldwin, Professor Ernest	European Cortina-Ulisse Prize, 1952
Bambah, Dr R. P. (Former Research Student)	Fellow, St John's College, Cambridge
Barlow, Professor H. E. M.	Vice-Chairman, Board of Governors, Woolwich Polytechnic, 1952
Barnes, Air Vice-Marshal W. E. (Former Student)	Honorary Surgeon to the King
Barrow, Mr G. W. S.	Alexander Prize of the Royal Historical Society
Bates, Professor L. F. (Former Lecturer and Reader)	Regional Scientific Adviser for Civil Defence
Baynes, Professor N. H. (Fellow and Emeritus Professor)	Honorary D. Lit., University of London
Beaufoy, Mr S. L. G. (Former Student)	President, Town Planning Institute, 1952–53
Bellot, Professor H. H.	Vice-Chancellor, University of London, 1952–53 (Re-appointment); Honorary Fellow, Lincoln College, Oxford
Bergel, Dr F.	Professor of Chemistry, Institute of Cancer Research
Berrill, Professor N. J. (Former Research Student)	Fellow of the Royal Society
Bicknell, Miss Beroë A. (Former Student)	Additional member, General Council of the Bar
Borneman, Mr R. E. (Former Student)	Queen's Counsel
Bradley, Professor W. (Former Research Student)	Regional Scientific Adviser for Civil Defence
Bronk, Dr D. W. (Former Research Student)	Honorary LL.D., University of Belfast
Brown, Professor G. L.	Foreign Member of the Brazilian Academy of Sciences; Officer of the Order of the Southern Cross of Brazil; Member, Medical Research Council

Browne, Mr J. C. McClure (Former Student)	Professor of Obstetrics and Gynaecology, Postgraduate Medical School of London and attached to the Institute of Obstetrics and Gynaecology
Butement, Mr W. A. S. (Former Student)	Chief Scientist, Australian Department of Supply, Controller of the Woomera Rocket Range
Carr-Saunders, Sir Alexander (Former Research Student)	Honorary Fellow, Peterhouse, Cambridge
Cobb, Mr F. P. (Former Student)	Colonial Civil Service Fellowship given by the committee of award of the Commonwealth Fund Fellowships
Craig, Dr D. P. (Former Research Student and Former Lecturer)	Professor of Physical Chemistry, University of Sydney
Crane, Dr C. W. (Former Student)	Murchison Scholarship of the Royal College of Physicians
Crane, Mr F. R. (Former Student)	Professor of English Law, King's College, London
Craske, Mr A. H. Glenn (Former Student)	Metropolitan Magistrate
Dale, Sir Henry (Honorary Fellow)	Master of the Salters' Company for 1952–53
Daly, Dr M. de Burgh	Rockefeller Travelling Fellowship in Medicine for 1952–53
Dent, Dr C. E.	Reader in Medicine, University College Hospital Medical School
Dostrovsky, Dr I. (Former Student)	The award of the Weizmann Prize, for original research work produced from and in association with Israel
Dunsheath, Dr P. (Member of College Committee, and Vice-Chairman of Managing Sub-Committee)	Chairman of Convocation for a further four years (re-election); Honorary D.Eng., University of Sheffield
Egerton, Professor Sir Alfred (Fellow)	Professor Emeritus of Chemical Technology, University of London
Elias, Dr T. O. (Former Student)	Simon Research Fellow, University of Manchester
Erdös, Dr P.	Cole Prize in Number Theory, American Mathematical Society
Evans, Dr Joan (Fellow)	Honorary LL.D., University of Edinburgh; Trustee of the London Museum
Forsey, Professor G. F. (Former Student)	Deputy Vice-Chancellor, University of Southampton

Garner, Professor W. E. (Fellow)	Pro-Vice-Chancellor, University of Bristol; Regional Scientific Adviser for Civil Defence
Graveson, Professor R. H. (Former Reader)	Dean of the University of London Faculty of Laws, 1952–54
Grobel, Miss Monica C. (Former Student)	Member of the Senate, University of London
Grüneberg, Dr H.	Foreign Associate, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine, U.S.A.
Harman, Mr E. H. (Former Student)	Deputy Chairman, East Midlands Gas Board
Harrison, Mr J. M. (Former Student)	Assistant Professor of Psychology, Boston University
Hill, Professor A. V. (Honorary Fellow and Emeritus Professor)	President of the British Association for 1952; Honorary LL.D., University of Belfast
Holford, Professor W. G.	Chairman of the Advisory Committee on the Listing and Preservation of Buildings of Architectural and Historic Interest
Humphreys, Professor R. A.	Corresponding Member, Instituto Historico y Geografico del Uruguay; Corresponding Member, Sociedad Chilena de Historia y Geografia
Ince, Sir Godfrey (Fellow)	Honorary LL.D., University of London
Ingold, Professor C. K.	President of the Chemical Society, 1952–54
Inlander, Mr H. K. (Student)	Rome Scholarship, British School of Rome
Katz, Professor B.	Fellow of the Royal Society
Kemp, Miss Phyllis M. (Former Student)	Leverhulme Research Fellow
King, Dr K. C. (Former Research Student)	Senior Lecturer and Head of the Department of German, University of Nottingham
Kirk, Professor John (Former Member of Staff, Sub-Dean and Senior Tutor)	Fellow of the Royal College of Surgeons
Layton of Danehill, The Lord (Fellow)	Deputy Leader of the Liberal Party in the House of Lords
Llewellyn, Dr D. R. (Research Student)	Weizmann Prize, for original research work produced from and in association with Israel

Lockwood, Dr J. F. (Former Professor and Tutor)	Public Orator, University of London
Lockyer, Air Vice-Marshal C. E. W. (Former Student)	Deputy Lieutenant of the County of Cambridge
McColvin, Mr L. R. (Former Student, School of Librarianship, and former member of the School of Librarianship and Archives Committee)	President of the Library Association, 1952
MacGregor, Mr A. B. (Former Research Student)	Member, Board of the Faculty of Dental Surgery, Royal College of Surgeons
Mbanefo, Mr L. N. (Former Student)	Puisne Judge, Nigeria
Naunton, Dr R. F. (Former Student)	Alexander Pigott Wernher Memorial Travelling Fellowship in Otology, Medical Research Council
Neale, Professor J. E.	Member, Editorial Board of the Government-sponsored History of Parliament
Niklaus, Dr R. (Former Student and Member of Staff)	Professor of French, University College of the South-West, Exeter
Nyholm, Dr R. S. (Former Member of Staff)	Corday-Morgan medal and prize for 1950, Council of the Chemical Society
Oakley, Dr C. L. (Fellow)	Brotherton Professor of Bacteriology, University of Leeds
Offord, Professor A. C. (Former Student and Demonstrator)	Fellow of the Royal Society
Penson, Dame Lillian (Fellow)	Honorary Litt.D., University of Sheffield; Trustee of the London Museum
Phillips, Mr S. W. C. (Former Student)	Under-Secretary to the Ministry of Housing and Local Government
Plucknett, Professor T. F. T. (Fellow)	Honorary Fellow, Emmanuel College, Cambridge
Powell, Mr R.	Member, United Kingdom National Committee on Comparative Law
Rideal, Professor Sir Eric (Former Student)	Member, Advisory Council for Scientific and Industrial Research; Davy Medal of Royal Society
Rosenberg, Dr H. F. (Former Research Student)	Reader in Veterinary Physiology, Royal Veterinary College
Sharr, Mr. F. A. (Former Student)	President of the Association of Assistant Librarians for 1952
Shinnie, Dr A. J. (Former Student)	The Smith Award of the Royal Institute of Public Health and Hygiene

Sisson, Professor C. J. (Emeritus Professor)	Assistant Director and Senior Fellow of the Shakespeare Institute at Stratford-on-Avon
Slater, Sir William (Former Member of Staff)	Honorary D.Sc., University of Belfast
Stanley, Mr R. C. S. (Former Student)	High Commissioner for the Western Pacific
Triebel, Dr L. A. (Former Student)	Fellow of St John's College, Cambridge
Tucker, Dr A. N. (Former Research Student)	Professor of East African Languages, University of London
Turquet, Professor Gladys R. (Former Student)	Professor Emeritus, University of London
Vaughan, Mr R. C. (Former Senior Lecturer)	Professor of Civil Engineering, University of Hong Kong
Vick, Professor F. A. (Former Lecturer)	Acting Principal, North Staffordshire University College
Walshe, Dr F. M. R. (Fellow)	President of the Royal Society of Medicine for 1952–53
Walshe, Mr M. O'Connell (Former Student)	University Reader in German, Bedford College
Warren, Dr F. L. (Former Reader)	Professor of Biochemistry, London Hospital Medical College
Wernham, Mr R. B. (Former Lecturer)	Professor of Modern History, Oxford
Westoll, Professor T. S. (Former Research Student)	Fellow of the Royal Society
Wheatley, Mrs Grace (née Wolf) (Former Student)	Member, Royal Society of Painters in Water-Colours
Wiggins, Mr W. D. C. (Former Student)	Murchison Grant by the Council of the Royal Geographical Society
Wilkie, Dr D. R.	Locke Research Fellow, Council of the Royal Society
Wilson, Miss Dorothy (Former Research Student)	Governor of Hill Hall Women's Prison

OBITUARY

The College Committee records with deep regret the death of the following persons connected with the College or with its work:

Mr W. E. ARNOLD-FORSTER, who devoted much of his life to the cause of peace through the work of the League of Nations Union, and the United Nations Association; student, Slade School, 1904–08. [18 October 1951]

Mr C. W. BAYLISS, member of the staff of the Department of Electrical Engineering since 1927. [15 June 1952]

Sir STAFFORD CRIPPS, former Chancellor of the Exchequer; student, Faculty of Science, 1908–11; worked at the College under Sir William Ramsay; Fellow of the College. [21 April 1952]

Professor P. DIENES, formerly Professor of Mathematics in the University of London; student, Faculty of Arts, 1934–37. [23 March 1952]

Sir JACK C. DRUMMOND, member of the staff of the Biochemistry Department, 1919–45; Professor of Biochemistry, 1922–45. [4 August 1952]

Professor C. B. FAWCETT, Professor of Geography, 1928–49. [21 September 1952]

Dr N. C. FLETCHER, Surgeon; student, Faculty of Medicine, 1900–05. [21 December 1951]

Surgeon Vice-Admiral Sir ARTHUR GASKELL, formerly Medical Director-General of the Royal Navy and an Honorary Surgeon to the King; Fellow of the College. [12 January 1952]

Emeritus Professor J. H. G. GRATTAN, formerly Baines Professor of English Language and Philology, University of Liverpool; sometime Reader in English and Germanic Philology, University College London; Fellow of the College. [22 October 1951]

Miss GWENNETH S. HAIGH, Principal of the Leicester Domestic Science Training College; student, Faculty of Science and Honorary Research Assistant, Department of Civil and Mechanical Engineering (Heating and Ventilating), 1921–24. [January 1952]

Sir LEONARD ERSKINE HILL, formerly Director of the Department of Applied Physiology, National Institute for Medical Research; Fellow of the College. [30 March 1952]

Mr P. M. JONES, Departmental Assistant, Department of Mechanical Engineering. [7 April 1952]

Sir FREDERIC GEORGE KENYON; Honorary Visitor to the School of Librarianship and Archives. [23 August 1952]

Mr W. H. B. LEECH, for twenty-five years Headmaster of the Queen Elizabeth Grammar School, Penrith; student, Faculty of Arts, 1889–91 and 1904–05. [14 March 1952]

Mrs SYLVIA LYND, writer, and for many years literary editor of the News Chronicle; student, Slade School, 1904–06. [21 February 1952]

Colonel L. NEWCOMBE, member of the Library Staff 1901–26, Librarian 1922–26, Assistant Director of the School of Librarianship, 1919–26. [25 May 1952]

Dr S. J. F. PHILPOTT; student, Department of Psychology 1912–15 and 1919–26, member of the staff of the Psychology Department since 1920. [6 September 1952]

Miss RACHEL ROBERTSON REID; Fellow of the College. [10 May 1952]

Dr A. SCHWEITZER; Reader in Experimental Physiology since 1947. [13 August 1952]

Mr IAN STRANG, etcher and landscape painter; student, Slade School, 1902–06. [23 March 1952]

Dr W. N. F. WOODLAND; Fellow of the College. [June 1952]

WORK OF THE FACULTIES

FACULTY OF ARTS

ANTHROPOLOGY

Teaching for first degree examinations in Anthropology and the supervision of research for higher degrees continued as in previous years, the number of research workers attached to the department showing a further increase. Research has been pursued on problems in a number of anthropological fields including physiological and genetical variations in a series of negroes, the analysis of the social structure based on field work among a number of African and Melanesian peoples, and study of the social effects of economic change among certain African peoples.

PUBLICATIONS

BARNICOT, N. A., WOLFFSON, DAVIDA

Daily urinary output of 17-ketosteroids in African negroes. *Lancet*, i (1952), 893.

BARNICOT, N. A., see also p. 57

Albinism in south-western Nigeria. *Ann. Eugen.*, 17, Pt 1 (1952), 38–73.
Recent advances in science: physical anthropology. *Science Progress*, xl, No. 159 (July 1952), 506–16.

DOUGLAS, MARY

Alternate generations among the Lele of the Kasai, south-west Congo. *Africa*, xxii, Pt 1 (1952), 59–65.

FORDE, DARYLL

Editor of *Africa;* of *African Abstracts;* and of *Ethnographic Survey of Africa. The Yoruba-Speaking Peoples of South-Western Nigeria. Ethnographic Survey of Africa; Part IV, Western Africa.* International African Institute, 1951. 102 pp.
Integrative aspects of the Yakö first fruits rituals (Presidential Address). *Journal of the Royal Anthropological Institute*, lxxix (1949, published 1951), 1–10.

KABERRY, PHYLLIS M.

Women of the Grassfields: a study of the economic position of women in Bamenda, British Cameroons. Colonial Research Publication, No. 14. H.M.S.O., 1952, xii+220 pp., with illust.

ARCHAEOLOGY

No change took place in the programme of teaching in the department. Professor Robertson gave an intercollegiate course at King's College on Greek and Roman Art and Life. He also gave courses at the Bartlett School of Architecture and the Courtauld Institute.

PUBLICATIONS

ROBERTSON, MARTIN

Gordion cups from Naucratis. *Journal of Hellenic Studies*, lxxi (papers presented to Sir John Beazley, 1951), 143–9.

A marble votive figure. *British Museum Quarterly*, xv (special volume for 1941–50, 1952), 64–6.

BARTLETT SCHOOL OF ARCHITECTURE

Postgraduate students in the School reading for M.A. and Ph.D. degrees have prepared drawings dealing with hospitals and schools in tropical countries and with the reconstruction of the Roman Forum at Ostia. Mr A. M. Foyle, a member of the School staff, has been engaged on the study of housing conditions in Nigeria, and was awarded a University research grant for travel to Nigeria in the summer of 1952.

PUBLICATIONS

CORFIATO, H. O., RICHARDSON, A. E.

Art of Architecture (3rd ed.). London: The English Universities Press Ltd. 1952. 744 pp.

FOYLE, A. M.

The Prince Consort's model houses: an experiment in hollow brickwork. *The Brick Builder* (1951), 122–6, with illust.

The Architecture of Nigeria: 1. The Northern Provinces. *The Builder*, 181 (3 Aug. 1951), 144–6, with illust.

The Architecture of Nigeria: 2. The Southern Areas. *Ibid.*, 181 (17 Aug. 1951), 204–6, with illust.

The Architecture of Nigeria: 3. European building activity. *Ibid.*, 181 (31 Aug. 1951), 284–6, with illust.

The house of a merchant in Kofarmata Street, Kano. *Nigeria Magazine*, 37 (1951), 29–35, with illust.

Early European houses at Kano. *West Africa*, 1814 (1 Dec. 1951), 1107, with illust.

Flats at Willesden. *The Builder*, 182 (11 Jan. 1952), 54–5, with illust.

The warning plate. *Architectural Review*, cxi, No. 666 (1952), 413.

Review of P. M. Bardi, *A Critical Review of Le Corbusier*. *Journal of the Royal Institute of British Architects*, 59, No. 4 (Feb. 1952), 143.

EGYPTOLOGY

Professor Emery has completed volume II of his *Great Tombs of the First Dynasty*, which will be published by the Egyptian Government Service of Antiquities.

During the second term Miss Kirkbride was given leave of absence to take part in the excavations at Jericho undertaken by the British School of Archaeology in Jerusalem.

The department's large collection of lantern slides which became completely disorganized during the period of the war is now being re-arranged and catalogued.

The unpacking of the Flinders Petrie Collection continued throughout the session. Nearly half the 800 boxes have now been unpacked, a considerable part of the objects identified, and some of them catalogued. But it is already clear that there is no more room for any large objects and that, unless it should be possible to extend the accommodation, much of the rest of the collection will have to remain in the basement store. This is unfortunate for several reasons. Many objects, particularly those of limestone, ivory, pottery, and bronze, have been found to be suffering from damp during storage, and urgently need treatment. With part of the collection still packed, identification of objects is rendered more difficult; and where objects were broken before packing and the pieces packed in several boxes, reconstruction must be postponed.

PUBLICATIONS

ARKELL, A. J.

Meroe and India. *Aspects of Archaeology in Britain and Beyond. Essays presented to O. G. S. Crawford.* London: Edwards, 1951, 32–8.

ČERNÝ, JAROSLAV

Paper and Books in Ancient Egypt. Inaugural lecture, University College London. H. K. Lewis, 1952. 36 pp.

EMERY, W. B.

Saqqara and the Dynastic Race. Inaugural Lecture, University College London. H. K. Lewis, 1952. 12 pp.

ENGLISH LANGUAGE AND LITERATURE

Work in the department is continuing in the following fields: English Place-Name survey; Piers Plowman—editions of the texts and linguistic studies; editions of Mediaeval and Tudor Drama, and of

Shakespeare; a volume of the *Oxford History of English Literature* covering the Restoration period.

PUBLICATIONS

BROWN, A.

Editor of *Wit and Science* by John Redford (Malone Society Reprints). Oxford: Malone Society, 1951.
A tradition of the Chester Plays. *London Mediæval Studies*, ii (1951), 68–72.
Sebastian Westcott at York. *Modern Language Review*, xlvii (Jan. 1952), 49–50.
Folklore elements in the medieval drama. *Folk Lore*, lxiii (June 1952), 65–78.
Review of A. Williams, *The Characterization of Pilate in the Towneley Plays*. *Modern Language Review*, xlvii (Jan. 1952), 60–1.

HADDAKIN, LILIAN F.

Keats's 'Ode on a Grecian Urn' and Hazlitt's lecture 'On Poetry in General'. *Notes and Queries*, 197, No. 7 (Mar. 1952), 145–6.
Review of Joseph Hall, *Heaven vpon Earth* and *Characters of Vertues and Vices*, ed. Rudolf Kirk. *Modern Language Review*, xlvi (July–Oct. 1951), 479–80.

HULME, HILDA M.

A Warwickshire word-list. *Modern Language Review*, xlvi (July–Oct. 1951), 321–30.
Review of M. P. Tilley, *A Dictionary of the Proverbs in England in the Sixteenth and Seventeenth Centuries*. *Ibid.*, xlvii (July 1952), 384–90.

HUSBANDS, H. WINIFRED

Assistant Editor of *Modern Language Review*.

JENKINS, H.

Edward Benlowes (1602–1676): Biography of a Minor Poet. Harvard University Press and Athlone Press, 1952. 371 pp.
The 1631 Quarto of *The Tragedy of Hoffman*. *The Library*, 5th series, vi (Sept. 1951), 88–99.
(With Gladys Jenkins) Thomas Winter's confession. *The Month*, new series, vii (Feb. 1952), 83–8.
(with Gladys Jenkins) Thomas Winter's confession: a rejoinder. *Ibid.*, vii (May 1952), 290–5.
Reviews of the following:
The Plays of Nathan Field, ed. William Peery. *Modern Language Review*, xlvi (July–Oct. 1951), 484–6.
Thomas Philipott, *Poems* (*1646*), ed. L. C. Martin. *Ibid.*, xlvii (Apr. 1952), 221–2.

KANE, G. J.

Assistant Editor of *London Mediæval Studies*.
Reviews of the following:

W. W. Lawrence, *Chaucer and the Canterbury Tales. Modern Language Review*, xlvi (July–Oct. 1951), 473–5.
H. R. Patch, *The Other World according to Descriptions in Medieval Literature. Ibid.*, xlvi (July–Oct. 1951), 475–6.

QUIRK, C. R.

Textual notes on *Hrafnkelssaga. London Mediæval Studies*, ii (1951), 1–31
Expletive or existential *there. Ibid.*, ii (1951), 32.
Puns to sell. *Studia Neophilologica*, xxiii (1951), 81–6.
Reviews of the following:
O. Funke, *Englische Sprachkunde. Modern Language Review*, xlvii (Jan. 1952), 59–60.
K. Brunner, *Die englische Sprache*, I. *Ibid.*, xlvii (July 1952), 381–2.
E. Ekwall, *Early London Personal Names. Studia Neophilologica*, xxiv (1952), 162–3.

SISSON, C. J.

General Editor of *Modern Language Review.*
Editorial Board of *Shakespeare Survey.*
R. W. Chambers. A Portrait of a Professor. The 1st Chambers Memorial Lecture, University College London. H. K. Lewis, 1951. 19 pp.
The Road to Discovery (Presidential Address). *Annual Bulletin of the Modern Humanities Research Association*, No. 23 (1951), 13–20.

SISSON, C. J., BROWN, A.

'The Great Danseker.' Literary significance of a chancery suit. *Modern Language Review*, xlvi (July–Oct. 1951), 339–48.

SMITH, A. H.

Director of the English Place-Name Survey and Editor of the publications of the English Place-Name Society.
Editor *London Mediæval Studies.*
Piers Plowman and the Pursuit of Poetry. Inaugural Lecture, University College London. H. K. Lewis, 1951. 24 pp.
The Middle English Lyrics in Additional MS. 45896. *London Mediæval Studies*, ii (1951), 33–49.
The Surveys of English Place-Names. Troisième Congrès International de Toponymie, *Actes et Mémoires*, II (Louvain, 1951), 61–9.

SPENCER, T. J. B.

Baron Corvo's 'Chronicles of the House of Borgia'. *Notes and Queries*, 196, No. 26 (Dec. 1951), 562–4.
Shakespeare's Isle of Delphos. *Modern Language Review*, xlvii (Apr. 1952), 199–202.
'Celestial Attributions': Sir Max Beerbohm on the Connoisseurs. *The Burlington Magazine*, xciv, No. 591 (June 1952), 168.
Turks and Trojans in the Renaissance. *Modern Language Review*, xlvii (July 1952), 330–3.
Review of Hector O. Corfiato, *Piranesi Compositions. Ibid.*, xlvii (Jan. 1952), 68–70.

SUTHERLAND, J. R.

Defoe (2nd ed.). London: Methuen, 1952. xv+300 pp.
The English Critic. Inaugural Lecture, University College London. H. K. Lewis, 1952. 19 pp.

SLADE SCHOOL OF FINE ART

In October 1951 Mr William Townsend, who had worked in the School as an Assistant since 1949, was appointed Lecturer. Mr I. E. Tregarthen Jenkin, Secretary of the School, assumed extra duties as Tutor to Slade Students.

Of the 204 full-time students attending the School during the session, 180 were following the course leading to the University of London Diploma in Fine Art, eleven were spending a year in the School after gaining their Diplomas and the rest were following no set course. There were also thirty-six part-time students. British Council Scholars came from Jamaica and Sweden, while there were also at the School students from Australia, Austria, Canada, China, Cyprus, Egypt, Ethiopia, Greece, Italy, New Zealand, South Africa, the United States, and Venezuela.

At the annual entrance examination held in January, 273 candidates competed for places in October 1952. Sixty-eight candidates have been accepted for admission.

During the session the following artists have taught periodically in the School: Mr Edward Ardizzone, Mr Rodney Burn, Mr Maurice Feild, Mr Henry Moore, Mr John Piper, Mr Graham Sutherland, Mr Keith Vaughan, and Mr Denis Williams.

Professor R. Wittkower's lectures to Slade students on the History of Art were again attended by many students from other departments. During the first and second terms of the session Professor Wittkower held a Seminar on 'Ideas of Space in the History of the Arts'.

Further work has been done in the cataloguing of the collection of work by past students which dates from the time of Professor Legros. Many of the paintings have been cleaned and a new picture store has been made. Works from this collection have during the past year been loaned to a number of exhibitions, including those organized by the Arts Council and an exhibition of 'The Early Years of the New English Art Club' at Birmingham Art Gallery.

Drawings made in the Slade School by Miss Patricia A. Thoburn (1946–51) and Mr Martin Froy (1948–51) have been reproduced by the Victoria and Albert Museum for circulation to Art Schools,

and a painting by Mr Froy has been purchased by the Trustees of the Tate Gallery.

PUBLICATIONS

BUCKLAND-WRIGHT, J.

Salmacis and Hermaphroditus (attributed to Francis Beaumont). London: The Golden Cockerel Press, 1951. 46 pp., 10 wood engravings in colour.
The Grecian Enchanted (Phyllis Hartnoll). London: The Golden Cockerel Press, 1952. 96 pp., 8 aquatints.

WITTKOWER, RUDOLF

Bernini's Bust of Louis XIV. London: Oxford University Press, 1951. 19 pp., 1 illust.
The Artist and the Liberal Arts. Inaugural Lecture, University College London. H. K. Lewis, 1952. 19 pp.
Lord Burlington and the York Assembly Rooms. *York Georgian Society Report*, 1951, 45–54.
International Congress on Proportion. *Burlington Magazine*, xciv, No. 587 (Feb. 1952), 52–5.
Bernini Studies, I. The Group of 'Neptune and Triton'. *Ibid.*, cxiv, No. 588 (Mar. 1952), 68–76.

FRENCH

The amount of research work carried out in the department continued to increase. Successful seminar meetings were held, attended by staff and students from several London Colleges. Most of the problems being investigated fall under one of three headings: Literary prose in the eighteenth and nineteenth centuries, The French Renaissance, French Literature 1850–1950.

PUBLICATIONS

FYNN, S.

The 'Eschacier' in Chrétien's 'Perceval' in the light of medieval art. *Modern Language Review*, xlvii (Jan. 1952), 52–5.

SCHLUMBERGER, B. J.

L'Explication littéraire. London: Harrap, 1951. 239 pp.

SCREECH, M. A.

Rabelais, de Billon and Erasmus: a re-examination of Rabelais' attitude to women. *Bibliothèque d'Humanisme et Renaissance*, xiii (1951), 241–65.

TANCOCK, L. W.

Abbé Prévost, *Manon Lescaut: a new translation with introduction* (2nd ed.). Penguin Classics, No. 13, 1951. 190 pp.

The Eighteenth Century. *The Year's Work in Modern Language Studies*, xii (1952), 41–9.
Review of N. Phelps, *The Queen's Invalid. A Biography of P. Scarron. French Studies*, vi (July 1952), 249–50.

WALKER, D. P.

Claude Le Jeune, *Airs* (1608), I, ed. D. P. Walker. Introduction by D. P. Walker and F. Lesure. Rome: American Institute of Musicology, 1952, xxx+117 pp.
Articles on Bottrigari and on Caietain in *Encyclopädie der Musik in Geschichte und Gegenwart*, Kassel and Basel, 1952.

WOLEDGE, B.

Medieval literature. *The Year's Work in Modern Language Studies*, xii (1952), 18–27.

GEOGRAPHY

Progress has continued on two large research projects centred in the department, namely: Land Utilization Survey of the Chilterns, and Survey of Urban Spheres of Influence in England.

PUBLICATIONS

BROWN, E. H.

Erosion surfaces in North Cardiganshire. *Institute of British Geographers Transactions*, No. 16 (1952), 49–66.

DARBY, H. C.

The changing English landscape. *Geographical Journal*, cxvii (1951), 377–94.
The Lincolnshire wolds. *The Lincolnshire Historian*, No. 9 (1952), 315–24.

MEAD, W. R.

The cold farm in Finland: resettlement of Finland's displaced farmers. *Geographical Review*, 41, Pt 4 (1951), 529–43.
Finnish Karelia: an international borderland. *Geographical Journal*, cxviii (1952), 40–57.

SMAILES, A. E.

Town and Region. *Planning Outlook*, ii, No. 2 (1951), 16–26.

GERMAN

PUBLICATIONS

FORSTER, L. W.

Joint Editor of *Cambridge German Plain Texts*.
The Temper of Seventeenth Century German Literature. Inaugural Lecture, University College London. H. K. Lewis, 1952. 35 pp.

Une source française de Grimmelshausen? *Etudes Germaniques*, 7, Nos 52–3 (1952), 161–3.
Getroste Verzweiflung. Deutsche Lyrik der letzten Jahre. German Department, University College, 1950. 22 pp.

ROWLEY, B. A.

An analysis of Clemens Brentano's *Hörst du? German Life and Letters* (new series), v, No. 3 (1952), 188–90.

SALMON, P. B.

Jacobus de Theramo and *Belial. London Mediæval Studies*, ii (1951), 101–15.

WELLS, G. A.

The classical era. *The Year's Work in Modern Language Studies*, 1950, xii (1951), 227–43.
Man and nature: an elucidation of Coleridge's rejection of Herder's thought. *Journal of English and Germanic Philology*, li, No. 3 (1952), 314–25.

WILKINSON, ELIZABETH M.

'Tasso–ein gesteigerter Werther' im Lichte von Goethes Prinzip der Steigerung. Übersetzt von Ernst Grumach. *Goethe*, Neue Folge des Jahrbuchs der Goethe-Gesellschaft, 13 (1951), 28–58.
Textinterpretation eines Hölderlin-Gedichtes (translated into German by K. W. Maurer). *Studium Generale*, 5., Heft 2 (1952), 74–82.

GREEK

Professor E. G. Turner held an intercollegiate class in the Senate House on the 'Palaeography of Greek Papyri' and Mr E. W. Handley gave an intercollegiate course of eight lectures on Greek Comedy. A seminar of staff and research students considered the relation of language to thought in early Greece. Mr J. H. Kells was appointed Secretary of the London Classical Society.

PUBLICATIONS

TURNER, E. G.

Athenian Books in the Fifth and Fourth Centuries B.C. Inaugural Lecture, University College London. H. K. Lewis, 1952. 23 pp.
(with C. H. Roberts) *Catalogue of the Greek and Latin Papyri in the John Rylands Library, Manchester*, Vol. iv. Manchester University Press, 1952. xviii+212 pp.

WEBSTER, T. B. L.

Grave relief of an Athenian comic poet. *Studies Presented to D. M. Robinson*, 1951, 590–3.
Addendum to Rendel Harris Papyri No. 56. *Journal of Juristic Papyrology*, v (1951), 237.

Notes on Pollux' list of tragic masks. *Festschrift Andreas Rumpf* (1952), 141–50.
Masks on Gnathia vases. *Journal of Hellenic Studies*, lxxi (1951), 222–32.
Chronological notes on middle comedy. *Classical Quarterly*, new series, ii (1952), 13–26.
Plato and Aristotle as critics of Greek art. *Symbolae Osloenses*, xxix (1952), 8–23.
Two comic fragments. *Classical Review*, new series, ii, No. 2 (1952), 57–60.

HEBREW

Besides the usual degree courses, postgraduate seminars on Mediaeval Jewish Philosophy have been held in the department. Intercollegiate arrangements with Jews' College and Bedford College were continued, and interest in the optional courses provided for students of other departments and faculties has been maintained. Mr L. Jacobs, formerly an Assistant Lecturer in the department, has successfully completed his research work on the Economic Life of Babylonian Jewry from the third to the sixth century. Other postgraduate students have continued their work on various mediaeval and Renaissance scholars and on Anglo-Hebrew scholarship in the seventeenth century.

PUBLICATIONS

HELLER, E. J.

On Hebrew philosophical terminology. *Iyyun*, A Hebrew Philosophical Quarterly, 3, No. 4 (Oct. 1952), 227–9.

STEIN, S.

The Beginnings of Hebrew Studies at University College. London: H. K. Lewis, 1952. 27 pp.
Review of P. J. Kohn, *Thesaurus of Hebrew Halachic Literature*. *Chayenu*, xx (May–June 1952), 14–15.

WIESENBERG, E.

The Nicanor Gate. *Journal of Jewish Studies*, iii, Pt 1 (1952), 14–29.
Reviews of the following:
S. D. Sasoon, *Sefer Halachot Pesuqot*. *Chayenu*, xx (Jan.–Feb. 1952), 4–5.
G. R. Driver, *The Hebrew Scrolls*. *Jewish Review*, v (30 May 1952), 5–6; v (13 June 1952), 3–4.

HISTORY

During the absence of Professor J. E. Neale, who while on study leave has been engaged in completing his work on Elizabethan parliamentary history, Professor R. A. Humphreys took over the

Acting Headship of the department. Dr A. D. Momigliano succeeded Professor A. H. M. Jones in the Chair of Ancient History.

The experiment begun in 1950 of inviting freshmen to spend a week-end at Cumberland Lodge before the opening of the session was repeated with such success that the undergraduates themselves organized a further week-end during the course of the year.

The year was notable also for the introduction of a new special subject on 'The Growth and Government of London' and for a further extension of the policy of the Board of Studies in History in providing University courses in Mediaeval and Modern History at the Senate House, in which several members of the staff took part. Though absent from College, Professor Neale continued to hold his seminar in Tudor History at the Institute of Historical Research and five other seminars were also conducted at the Institute by members of the staff. The number of overseas students attending these seminars is a notable feature.

PUBLICATIONS

BARROW, G. W. S.

A Twelfth-Century Newbattle document. *Scottish Historical Review*, xxx (1951), 41–9.
A Scottish collection at Canterbury. *Ibid.*, xxxi (1952), 16–28.
The Cathedral Chapter of St Andrews and the Culdees in the twelfth and thirteenth centuries. *Journal of Ecclesiastical History*, iii (1952), 23–39.

BEEVERS, R. H.

Northern schemes for agrarian reconstruction in the South during and after the Civil War in the United States of America. *Bulletin of the Institute of Historical Research*, xxv (1952), 87–9.

BELLOT, H. H.

American History and American Historians. London: The Athlone Press, 1952. 336 pp.
Section on the United States of America. *Annual Bulletin of Historical Literature*, xxxvi, 56–61. Historical Association, 1951.
Review of D. S. Freeman, *George Washington: A Biography*, vols. i–ii. *History*, xxxvi (1951), 257–8.

COBBAN, A. B. C.

New light on the political thought of Rousseau. *Political Science Quarterly*, lxvi (1951), 272–84.
An age of revolutionary wars: an historical parallel. *The Review of Politics*, xiii (1951), 131–41.
British Secret Service in France during the French Revolution. *Bulletin of the Institute of Historical Research*, xxv (1952), 23–4. The Anglo-American Conference of Historians, 1951 (summary of paper).

Review of J.-B. Duroselle, *Les debuts du Catholicisme social en France (1822–1870)*. *English Historical Review*, lxvii (1952), 95–7.

DAVIS, R. H. C.

Charlemagne's Empire. *History*, xxxvi (1951), 171.

HUMPHREYS, R. A.

Liberation in South America, 1806–1827. The Career of James Paroissien. London: The Athlone Press, 1952. xii+182 pp.

Section on Latin America. *Annual Bulletin of Historical Literature*, xxxvi, 61–2. Historical Association, 1951.

San Martín y Paroissien: Londres, 1824–5. *San Martín. Homenaje de la Academia Nacional de la Historia*, 2 vols., i (Buenos Aires, 1951), 92–7.

Review of J. M. Yrarrázaval Larraín, *San Martín y sus Enigmas*. *Hispanic American Historical Review*, xxxii (Aug. 1952), 431–4.

HURSTFIELD, J.

The revival of feudalism in early Tudor England. *History*, xxxvii (1952), 131–45.

Section on the Sixteenth Century. *Annual Bulletin of Historical Literature*, xxxvi, 33–5. Historical Association, 1951.

Review of *Calendar of Patent Rolls, Elizabeth*, ii, 1560–3. *History*, xxxvi (1951), 266–7.

MOMIGLIANO, A.

Editor of G. De Sanctis, *Studi di Storia della Storiografia Greca*. Florence: La Nuova Italia, 1951. 196 pp.

An Editor of *Rivista Storica Italiana*, of *Journal of Roman Studies*, and of *Biblioteca di Studi Superiori* (Florence: La Nuova Italia).

George Grote and the Study of Greek History. Inaugural Lecture, University College London. H. K. Lewis, 1952. 23 pp.

I. 'Liberty' and 'Libertas'; II. Dio of Prusa, the Rhodian 'libertas' and the Philosophers. *Journal of Roman Studies*, xli (1951), 146–53.

MORRIS, J.

The Vallum again. *Cumberland and Westmorland Antiquarian and Archaeological Society's Transactions*, 1 (1951), 43–53.

The dating of the column of Marcus Aurelius. *Journal of the Warburg and Courtauld Institutes*, xv (1952), 33–47.

NEALE, J. E.

The biographical approach to history. *History*, xxxvi (1951), 193–203.

Reviews of the following:

G. Zeeveld, *Foundations of Tudor Policy*. *History*, xxxvi (1951), 255–6.

A. L. Rowse, *The England of Elizabeth*. *Ibid.*, xxxvii (1952), 58–9.

George P. Rice, *The Public Speaking of Queen Elizabeth*. *American Historical Review*, lvii, No. 3 (1952), 729–30.

REDDAWAY, T. F.

The rebuilding of London, 1666. *Journal of the Royal Institution of Chartered Surveyors*, xxxi, Pt vii (1951), 17–23.

London in the Nineteenth Century: the freeing of the bridges, 1800–1890. *The Twentieth Century*, cli (1952), 163–77.
Reviews of the following:
P. E. Jones and R. Smith, *A Guide to the Records in the Corporation of London Records Office and Guildhall Library Muniment Room. Bulletin of the Institute of Historical Research*, xxiv (1951), 191–2.
The Corporation of the City of London, *The City of London: a Record of Destruction and Survival. The Town Planning Review*, xxiii (1952), 86–8.

ITALIAN

Research on some aspects of mediaeval and Renaissance Italian literature are being carried out by Professor R. Weiss and Mr D. S. Duncan.

PUBLICATIONS

D'ENTRÈVES, A. P.

Dante as a Political Thinker. Oxford University Press, 1952. vi+119 pp. (The Barlow Lectures delivered in 1951.)

WEISS, R.

An Editor of *Italian Studies*.
The study of Greek in England during the Fourteenth Century. *Rinascimento*, ii (1951), 209–39.
England and the decree of the Council of Vienne on the teaching of Greek, Arabic, Hebrew, and Syriac. *Bibliothèque d'Humanisme et Renaissance*, xiv (1952), 1–9.
Per la biografia di Bellino Bissolo poeta milanese del Duecento. *Archivio Storico Lombardo*, Ser. 8, ii (1951), 3–4.
Per una lettera di Lorenzo d'Aquileia sullo studio del greco e delle lingue orientali a Parigi alla fine del Duecento. *Rivista di storia della Chiesa in Italia*, v (1951), 266–8.

LATIN

Professor O. Skutsch has succeeded Professor Lockwood as Head of the Department.

PUBLICATIONS

BROWNING, R.

Review of E. Paratore, *Storia della Letteratura Latina*. *Classical Review*, new series, 1 (1951), 171–3.

SKUTSCH, O.

Two notes on Naevius. *Classical Review*, new series, 1 (1951), 146–7.
Review of E. V. Marmorale, *Naevius*. *Ibid.*, i (1951), 174–7.

SCHOOL OF LIBRARIANSHIP AND ARCHIVES

The revised regulations for the Diplomas in Librarianship and Archive Administration came into operation in 1951–52, and the further requirement of a thesis consisting of a descriptive list or index of, or other work upon, an original document or class of documents in a local or other archive repository, muniment room or library, has now been added to those for the examination for the Diploma in Archive Administration.

PUBLICATIONS

ARNOLD, D. V.

Company libraries. *The Secretary*, 48 (Nov. 1951), 497–500.

COCKERELL, S. M.

A hand bindery. *Craft Horizons*, xi, No. 3 (1951).
Marbling paper. *Ibid.*, xii, No. 1 (1952).

FRANCIS, F. C.

The Catalogues of the British Museum. 3. Oriental Printed Books and Manuscripts. *Journal of Documentation*, 7, No. 3 (Sept. 1951), 170–83.
Reviews of the following:
Transactions of the Cambridge Bibliographical Society; and *Studies in Bibliography: Papers of the Bibliographical Society of the University of Virginia. The Library*, 5th series, vi (1951), 62–4.
John Hayward, *English Poetry*. *Ibid.*, 5th series, vi (1951), 220–2.
Malone Society Reprints. *Ibid.*, 5th series, vii (1952), 68–70.

IRWIN, R.

British Bird Books: an Index to British Ornithology, A.D. *1481 to* A.D. *1948*. London: Grafton, 1951. 38 pp.
British Birds and their Books: Catalogue of an Exhibition arranged for the National Book League, Mar.–May 1952. Cambridge University Press, 1952. 398 pp.
The art of passing examinations. *Library Association Record*, 54 (Mar. 1952), 87–9.

PAFFORD, J. H. P.

British university theses. *British Book News*, No. 135 (Nov. 1951), 695–9.
Bradford-on-Avon. Saxon boundaries in Ethelred's Charter of A.D. 1001. *Wilts Archaeological Magazine*, 54 (Dec. 1951), 210–18.
Lord Randal my son. *Folklore*, 63 (Mar. 1952), 26–9.
Review of R. V. Gibson, *Francis Bacon. A bibliography of his works, and of Baconiana to the year 1750. The Library*, 5th series, vi (1951), 222–7.

LIBRARY

PUBLICATION

MARMOY, C. F. A.

Some special forms of medical literature. *Library Association Record*, 53 (1951), 354–62.

PHILOSOPHY

PUBLICATIONS

AYER, A. J.

Statements about the past (Presidential Address). *Proceedings of the Aristotelian Society*, lii (1951–2), i–xx.

Le affermazioni intorno al passato. *Rivista di Filosofia*, xliii, No. 1 (1952), 5–23.

(ed. with R. Winch) *British Empirical Philosophers*. Routledge and Kegan Paul, 1952. 560 pp.

THOMSON, J. F.

Reducibility. *Supplementary Proceedings of the Aristotelian Society*, xxvi (1952), 87–104.

Some remarks on synonymy. *Analysis*, xii, No. 3 (1952), 73–9.

WOLLHEIM, R.

El positivismo logica en la filosofía inglesa contemporanea. *Notas y Estudios de Filosofía*, iii, 9 (Tucumán 1952), 57–65.

The significance of Vilfredo Pareto. *The Listener*, xlvii, 1193 (10 Jan. 1952), 64–5.

Review of A. P. d'Entrèves, *Natural Law*. *Mind*, lx, 240 (Oct. 1951), 572–4.

PHONETICS

Linguistic research has continued on the phonetic structure of Portuguese, Spanish, Italian, and the dialects of English. In the more general field there has been extensive research on the application of distributional criteria in the definition of linguistic units, a new method which has been successfully applied to English and is now being extended to French. In addition, some work has been done on a pronouncing dictionary of English proper names. The laboratory has continued its work on the mechanical recognition of speech sounds, and on the testing of hearing aids, and new work has been started on the effect of masking noise with special application to the testing of hearing. In collaboration with the National

Institute for the Deaf ten test reports have been issued on the characteristics and performance of hearing aids, and close co-operation has also been maintained with the Institute of Laryngology and Otology and the Royal National Throat, Nose, and Ear Hospital.

PUBLICATIONS

ARNOLD, G. F.

Context in English intonation teaching. *Le Maître Phonétique*, iii, No. 97 (Jan.–June 1952), 9–11.

GIMSON, A. C.

Editor of *Le Maître Phonétique*.
Shakespeare in the original pronunciation. *Linguaphone Magazine*, xii, No. 7 (1952), 4–5.
Review article, 'Speech and Language'. *Journal of Education*, 84, No. 994 (May 1952), 236–40.

O'CONNOR, J. D.

Fluency drills. *English Language Teaching*, vi, No. 3 (1952), 86–93.
Phonetic aspects of the spoken pun: qualitative and prosodic. *English Studies*, xxxiii (1952), 116–24.

TRIM, J. L. M.

German *h*, *ç*, and *x*. *Le Maître Phonétique*, iii, No. 96 (July–Dec. 1951), 41–2.

POLITICAL ECONOMY

Professor G. C. Allen has continued to be a part-time member of the Monopolies and Restrictive Practices Commission and to serve on the Central Price Regulation Committee. Miss Audrey G. Donnithorne has spent six months in Malaya and Indonesia in pursuance of research into Western Enterprise in Far Eastern Countries which she and Professor Allen are conducting. The visit was made possible by grants from the Institute of Pacific Relations (New York) and the Houblon-Norman Fund. Mr D. C. Hague and Mr J. H. Dunning have continued their research into the location of industry. The research is sponsored by the Board of Trade, and the first results of the inquiry are being published this summer by the National Institute of Economic and Social Research. Dr A. W. Stonier and Mr Hague have completed their treatise on Modern Economic Theory; this will be published, by Longmans, next year.

PUBLICATIONS

ALLEN, G. C.

British Industries and their Organisation (3rd ed., revised). London: Longmans, 1951. xi+289 pp.
The outlook for British industry. *Westminster Bank Review* (Aug. 1952), 1–7.

CORLETT, W. J.

(with D. J. Morgan) The influences of prices in international trade: a study in method. *J. Roy. Statist. Soc., A* (General), cxiv, Pt iii (1951), 307–58.

DUNNING, J. H.

The radio and television industry: a post-war survey. *Three Banks Review*, xiv (June 1952), 22–37.

HAGUE, D. C., NEWMAN, P. K.

Costs in Alternative Locations: The Clothing Industry. Occasional Paper xv, Nat. Inst. of Economic and Social Research, Cambridge University Press, 1952. 75 pp.

SCANDINAVIAN STUDIES

The numbers of students in the department have varied somewhat. There were four reading Norwegian, twenty taking Swedish (including one B.A. Honours student and one B.A. General student), and twenty-six taking Danish. It is satisfactory to note that fourteen students (some from other Colleges of the University) are taking Old Norse, mostly as part of their B.A. Honours courses, and one student has availed himself of the course in Modern Icelandic. Lectures have been given by Mr P. G. Foote on 'The Heroic Background to Old Icelandic Literature' as an intercollegiate course.

PUBLICATIONS

POPPERWELL, R.

(with B. Mortensen, E. Bredsdorff) *An Introduction to Scandinavian Literature*. Cambridge University Press, 1952. 245 pp.

FOOTE, P. G.

Sturlusaga and its background. *Saga-Book of the Viking Society*, xiii, Pt 4 (1951), 207–37.

TOWN PLANNING

Diploma students of the department, under the direction of Mr A. G. Ling, and with the assistance of the L.C.C. and the Woolwich Borough Council, made a planning survey and proposals for the

Town Centre at Woolwich, enlisting considerable local interest and discussion at a Town Meeting. The Social Research Unit, under the direction of Mrs Ruth Glass and with the aid of grants from the Nuffield Foundation and the Rockefeller Foundation, has completed half of its programme of case studies in planning organization and process. Other subjects of research in the department have included 'The Effects of New Towns as Decentralising Agents', 'Town Planning Problems of the University of London', and 'The Origins of the Railway Termini and their Influence on London Development'. Outline Plans have been prepared for the New Town of Corby, in Northamptonshire.

PUBLICATIONS

CLARKE, J. J.

The Local Government of the United Kingdom (Supplement to 14th ed.). London: Pitman, 1951. 16 pp.

How to speed the rate of housing. *News Sheet of the International Federation for Housing & Town Planning*, xxiii (Feb. 1952), 6–7.

Review of Frank A. Norman, *Whitehall to West Indies*. *Public Administration*, 30, No. 3 (1952), 292.

GLASS, RUTH

Observations in Lansbury. *Journal of the Town Planning Institute*, 38, No. 1 (Nov. 1951), 9–11.

(with F. G. Davidson) Household structure and housing needs. *Population Studies*, iv, No. 4 (1951), 395–420.

Town planning and the social scientist. *The Listener*, 45, No. 1163 (14 June 1951), 951–2.

Banlieues, deplacements journaliers, migration de travail. *Villes et Campagnes*. Centre d'Etudes Sociologiques, Paris, 1952.

HOLFORD, W. G.

Associate Editor of *Town Planning Review*.

Planning and Australia. *News Sheet of the International Federation for Housing & Town Planning*, xxiv (May 1952), 23–5.

The great experiment. *Federal Congress on Regional and Town Planning*, 1951, *Record of Proceedings* (1952), 25–31.

Gropius, 1952. *Architectural Review*, 112, No. 667 (July 1952), 3–4.

Time and fashion in city building. *The American City*, lxvii, No. 7 (1952), 130.

(with H. M. Wright) *Report to the Development Corporation on the New Town of Corby*. Corby New Town Development Corporation, 1952. 72 pp.

FACULTY OF LAWS

PUBLICATIONS

ENGLISH LAW

FITZGERALD, R. C.

The Law and Ethics of Compulsory Acquisition of Land. *Current Legal Problems*, 5 (1952), 55–80.

HOLLAND, D. C.

The Reform of the Law of Intestate Succession. *The Solicitor*, 18 (1951), 219–22.
Registration of Estate Contracts. *Ibid.*, 18 (1951), 243–5.
Administration—Marshalling the Assets. *Ibid.*, 18 (1951), 266–8.
The Tenant of a Mortgagor—further developments. *Ibid.*, 19 (1952), 4–6.
Testamentary Gifts to Servants. *Ibid.*, 19 (1952), 27–9.
Local Land Charges. *Ibid.*, 19 (1952), 52–5.
Tenancies at Will and Licences. *Ibid.*, 19 (1952), 75–7.
The Characteristics of an Easement. *Ibid.*, 19 (1952), 100–3.
The Powers and Duties of Trustees. *Ibid.*, 19 (1952), 123–5.
The Time of Creation of Interests arising under Powers of Appointment. *Ibid.*, 19 (1952), 147–9.
Recent Developments affecting Licences to Occupy Land. *Ibid.*, 19 (1952), 171–3.
Equitable Conveyances. *Ibid.*, 19 (1952), 195–7.
High Court Control of Inferior Tribunals. *Current Legal Problems*, 5 (1952), 105–27.

IVAMY, E. R. H.

Warranties by Third Parties. *The Solicitor*, 18 (1951), 222–4.
The Exclusion of Undisclosed Principals. *Ibid.*, 18 (1951), 245–7, 249.
Estate Agents' Commission during 1951. *Ibid.*, 18 (1951), 273–4, 279–80.
Guarantors of Hire Purchase Agreements. *Ibid.*, 19 (1952), 7, 9–10, 15.
Resale Price Maintenance and Monopolistic Arrangements among Manufacturers. *Ibid.*, 19 (1952), 31–4.
Circuses and the Law. *The Law Journal*, 102 (1952), 115–6.
Bankers' Commercial Credits. *The Solicitor*, 19 (1952), 57–8, 63.
Ouster of Jurisdiction. *Ibid.*, 19 (1952), 77–9.
Redelivery of Hired Chattels. *Ibid.*, 19 (1952), 103, 105–6.
Escape Clauses in Commercial Contracts. *Ibid.*, 19 (1952), 127, 129–30, 135.
Hire Purchase and the Law. *Current Legal Problems*, 5 (1952), 208–28.
Delivery orders. *The Solicitor*, 19 (1952), 149–51, 153.
Archers under the Law. *Ibid.*, 19 (1952), 173–5.
Hire Purchase Restrictions and Recourse Agreements. *Ibid.*, 19 (1952), 201–2, 207.
Review of Charlesworth, *Cases on Mercantile Law*. *Journal of Society of Public Teachers of Law*, new series, i (1951), 482–3.

KEETON, G. W.

Joint Editor (with G. Schwarzenberger) of *World Affairs*, new series, 5 (1951); of *The Year Book of World Affairs* (1952); of *The Library of World Affairs*; and of *Current Legal Problems* (1952).
General Editor of *The British Commonwealth: The Development of its Laws and Constitutions.*
An Introduction to Equity (3rd ed.) London : Pitman, 1952. 376 pp.
The Trial of the Veronica Mutineers. Edinburgh : William Hodge, 1952. 248 pp.
The Director as Trustee. *Current Legal Problems*, 5 (1952), 11–29.
Delegated Legislation and its Control in England. *South African Law Journal*, 69, Pt 1 (Feb. 1952), 33.

LLOYD, D.

Reform of the Law of Libel. *Current Legal Problems*, 5 (1952), 168–88.
Judicial Review of Expulsion by a Domestic Tribunal. *Modern Law Review* 15 (1952), 413–24.

MARSHALL, O. R.

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FACULTY OF SCIENCE

ASTRONOMY

There were no undergraduate students during the year 1951–52, but a research student was working on Stellar Spectra. Investigations into the colour magnitude arrays of star clusters were initiated. Plans are under way for two urgent building projects at the University Observatory, (1) the strengthening of the Radcliffe dome, and (2) the rebuilding and enlargement of the library.

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BOTANY

A course has now been given for the degree of M.Sc. in Microbiology recently instituted by the University. The provision of two new experimental glass houses has made possible a considerable extension of work on the developmental morphology of ferns and of sycamore seedlings as well as culture work on the form variations and taxonomy of *Salicornia*. Research on algal physiology is being steadily extended, Additional forms of algae are being isolated for culture work and considerable progress has been made with the study of fat and polypeptide metabolism in these plants. The study of the breakdown of soil humus supported by the Nature Conservancy has progressed to a stage at which it will be possible to define naturally occurring types of humus. This work is being extended to a survey of the productivity of natural soils in relation to these humus types.

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The pH of natural soils and its ecological significance. *Journ. Soil Science*, 3, 1 (1952), 41–51.

STANT, MARGARET Y.

The shoot apex of some monocotyledons. 1. Structure and development. *Annals of Botany*, new series, 16, No. 1 (1952), 115–28.

STOKES, PEARL

A physiological study of embryo development in *Heracleum sphondylium* L. 1. The effect of temperature on embryo development. *Annals of Botany*, new series, 15, No. 63 (1952), 441–7.

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CHEMISTRY

The department has the best supply in the world of the heavy isotope of oxygen, and much research work is now being based on this. A second parent polyatomic molecule, namely acetylene, has had its excited state fully characterized and this is the first case of a marked change of shape on excitation. These items are of special interest to chemists and scientists in general. In addition work has proceeded on the following topics: studies of reaction mechanisms using a variety of physical techniques including kinetics and mass spectrometry; cryoscopic work on the molecular condition of solutes in solvent sulphuric acid; gas phase reactions, particularly photochemical bromination and dehydrochlorination; polymerization catalyses; co-ordination compounds; electro-chemistry and electroanalysis; investigation of the structure and properties of simple organic and inorganic crystals, using X-ray analysis, magnetic and optical measurements.

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Stereochemistry of gold. *Nature*, 168 (1951), 705.
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EUGENICS, BIOMETRY, AND GENETICS

Professor J. B. S. Haldane has produced a new theory of statistical estimation, and is engaged with Mr J. M. Smith on other statistical problems. Dr H. Grüneberg has continued his investigations both of new genes in the mouse, and of the minor skeletal variations due to well-known genes. Dr Helen Spurway has continued her work on the genetics of newt subspecies, and made observations on Indian domestic birds. Dr A. G. Searle has worked on cat and mouse genetics, with special reference to maternal influences in mice. Dr Gillian M. Truslove and Mr M. S. Deol are studying the anatomy and pathology of genetically determined abnormalities of behaviour in mice, and Mr Smith on the genetics of *Drosophila subobscura*.

THE GALTON LABORATORY.—Investigation of human traits thought to be due wholly or partly to hereditary influence forms the main work of the Laboratory. The characters under special investigation during the year were hair colour, birth weight, dermal ridge patterns, twinning, colour vision, biochemical and immunological specificities. Enquiries in related fields are also being intensively pursued. Among these are the study of human chromosomes, immunological reactions and electrophoresis of human proteins. At the same time the mathematical and statistical treatment of questions arising in human genetics are continually under scrutiny. The large amount of factual material which is collected by the staff of the Laboratory is being analysed; much of it has been published already in the Annals of Eugenics.

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Relations between biology and other sciences. *Science and Culture*, 17 (1952), 407–12.
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(with U. Philip) Genetics and cytology of *Drosophila subobscura*. VII. Abnormal gene arrangements in Element A. *J. Genet.*, 51, 1 (1952), 198–215.

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GEOLOGY

New research begun during the session includes work on two areas of the Old Red Sandstone of central southern Eire and investigations on the ancient rocks of Galway. Research is actively proceeding on the micropalaeontology of the Chalk with interesting results, some of which have already been submitted for publication. Other topics under investigation are based on material collected from West Africa, Sicily, and Chile by members of staff. At the request of the Director of the Colonial Geological Surveys, Mr Capewell gave a special three weeks' postgraduate course in Advanced Sedimentary Petrology for Colonial Survey geologists.

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HISTORY AND PHILOSOPHY OF SCIENCE

Research has been carried on by the staff and senior students on various aspects of the history and philosophy of science. Professor H. Dingle has accepted the chairmanship of Commission 41 of the International Astronomical Union on the History of Astronomy. Dr A. C. Crombie has continued as Honorary Secretary of the Philosophy of Science Group of the British Society for the History of Science.

PUBLICATIONS

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MATHEMATICS

There were nineteen postgraduate students working in the department during the session. In addition, graduates of this department are working as postgraduate students in the Departments of Physics and Statistics. Four seminars on various branches of pure mathematics have been active throughout the session, two of them being joint seminars with other Colleges. Their success has owed much to Dr Erdös, whose presence in the department has been stimulating both to staff and to postgraduate students.

PUBLICATIONS

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On a phenomenological approach to meson production in nucleon-nucleon collisions. *Proc. Roy. Soc. A*, 210 (1951), 85–98.

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On a theorem of Khintchine. *Proc. Lond. Math. Soc.* (2), 53 (1951), 310–30.

ROGERS, C. A., see also p. 70

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Sums of eight values of a cubic polynomial. *J. Lond. Math. Soc.*, 27 (1952), 217–24.

PHYSICS

Steady progress has been made during the year on the development of equipment for research in nuclear physics. The electron-cyclotron is operating very successfully and is proving a very inexpensive source of five million volt electrons. Two cloud chambers for use at 100 atmospheres pressure have been constructed and are now being fitted with the auxiliary control gear. One is to be used at Harwell in conjunction with the high energy synchro-cyclotron and the second is to be used for cosmic ray research at high altitudes. The electron lens for use in precision scattering experiments is also operating. The research programme in ionic physics has also been developing satisfactorily, and the laboratory was chosen as one of the four to receive support from the Warren Research Fund of the Royal Society in connection with research in the physics of electric discharges. A special meeting of the Physical Society concerned with nuclear physics was held in the Physics Lecture Theatre during the year and all the papers were contributed by members of the department.

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Fundamental particles. *Science Progress*, No. 158 (Apr. 1952), 193–212.
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A variational method for inelastic collision problems. *Phys. Rev.*, 82, No. 5 (1951), 753.

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The chemical composition of the interstellar gas. *Monthly Not. Roy. Astr. Soc.*, iii, No. 4 (1951), 368–76.

PSYCHOLOGY

At the beginning of the year the Child Psychology section of the department moved to more adequate premises in Gower Street.

Initial steps were taken in a joint research with the Physiology Department of the College on the relation between performance measures and measures of physiological output during the learning of skilled muscular tasks. Undergraduate teaching during the year was marked by a more close personal supervision of students' work. This has been achieved in two ways: by less formal teaching of small groups of students each under the supervision of one member of the staff and by the use of individual research projects in lieu of third-year practical work.

PUBLICATIONS

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Assistant Editor of *Brit. J. Psychol.: Stat. Sect.*

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The Causes and Treatment of Backwardness. National Children's Home, 1952. 144 pp.

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Sublimation. *Journal of Sex Education*, v, No. 1 (1952), 6–16.

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B. Hallgren, *Specific Dyslexia*. *Brit. J. Med. Psychol.*, xxv (1952), 66–7.

KNÖPFELMACHER, F.

Some effects of reward on the strength of position stereotypes in the white rat. *Quart. J. Exper. Psychol.*, iv (1952), 78–86.

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The Comparative Study of Behaviour. Inaugural Lecture, University College London. H. K. Lewis, 1952. 19 pp.

Animal research in experimental psychopathology. *Brit. Med. J.*, ii (1951), 1450–2.

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An empirical study of political, religious and social attitudes. *Brit. J. Psychol.: Stat. Sect.*, v (1952), 81–92.

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Assistant Editor of *Brit. J. Psychol.: Stat. Sect.*

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A square root method of selecting a minimum set of variables in multiple regression, II. *Psychometrika*, xvi (1951), 425–37.

WHITFIELD, J. W.

Assistant Editor of *Quart. J. Exper. Psychol.*
An experiment in problem solving. *Quart. J. Exper. Psychol.*, iii (1951), 184–97.

STATISTICS

This year sees the completion of the issue in the department's *Tracts for Computers* series of Dr A. J. Thompson's *Logarithmetica Britannica*, a fundamental table of twenty-figure logarithms of the numbers 10,000–100,000. The first of the nine Parts was published in 1924 to commemorate the tercentenary of the publication by Henry Briggs of the first table of common logarithms. The department has also put together in saleable book form the first part (edited by Dr Florence N. David) of a series of statistical class exercises, many of which have been used within the department by students for a great number of years. Dr N. L. Johnson has been made Secretary of the Committee which deals with the Certificate and Diploma Examinations of the Royal Statistical Society. He has leave of absence next session to take a temporary post as Associate Professor of Statistics at the University of North Carolina. Dr David has been elected a member of the International Statistical Institute.

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The fitting of polynomials to equidistant data with missing values. *Biometrika*, 38 (1951), 410–13.
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Tables for numerical integration at non-equidistant argument steps. *Proc. Camb. Phil. Soc.*, 48 (1952), 436–42.

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Moment constants for the distribution of range in normal samples. *Biometrika*, 38 (1951), 463–4.

JOHNSON, N. L., ROGERS, C. A.

The moment problem for unimodal distributions. *Ann. Math. Statist.*, 22 (1951), 433–9.

MAY, JOYCE M.

Extended and corrected tables of the upper percentage points of the 'Studentized' range. *Biometrika*, 39 (1952), 192–3.

PEARSON, E. S.

Editor of *Biometrika*.
Comparison of two approximations to the distribution of the range in small samples from normal populations. *Biometrika*, 39 (1952), 130–6.
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(with G. Belyavin, J. C. N. Westwood and Wilson Smith) Influenza haemmagglutination. *J. Gen. Microbiol.*, 5 (1951), 546.
(Addendum to paper by G. Audy and M. Kerly) The glycogenalytic factor in a number of insulin samples. *Biochem. J.*, 52 (1952), 70.

ZOOLOGY AND COMPARATIVE ANATOMY

Eight new research rooms have been added to the department during the session by conversion or subdivision of existing space. A small new animal house, representing a fourth floor on the present building, will be in full use by the beginning of the coming session. Among

the problems that represent new research interests in the department is the study of biological 'individuality', as it is revealed by the intolerance of higher animals to the transplantation of grafts from other members of their own species. A special study is being made of the embryological origin of the mechanism by which foreign tissue is recognized as such, and of the protection of the foetus, quâ foreign graft, against the immunological reactions of the mother. Another new line of research which the department hopes to develop is in the pathology and bacteriology of insects. In addition to this new experimental work, active palaeontological research is in progress, and there is every indication that it will continue to be a major part of the work of the department.

PUBLICATIONS

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(with J. W. Orr and D. L. Woodhouse) Transplantation of skin components during chemical carcinogenesis with 20-methylcholanthrene. *Brit. J. Cancer*, v (1951), 417.

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A skin grafting problem in cattle twins. *New Biology*, 12 (1952), 27–47.

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(with D. Anderson and G. H. Lampkin) The use of skin grafting to distinguish between monozygotic and dizygotic twins in cattle. *Heredity*, 5 (1951), 379–97.

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Problems of adaptation. *New Biology*, 11 (1951), 10–26.
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ROBINSON, P. L., KERMACK, K. A., JOYSEY, K. A.

A new Upper Triassic land fauna. *Proc. Geol. Soc.*, Abst. No. 1485 (1952), 86–7.

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Facilitation in sea anemones. III. Quick responses to single stimuli in *Metridium senile*. *J. Exp. Biol.*, 29 (1952), 235–54.

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Professor C. J. van der Horst. *Nature*, 168 (1951), 1103.
Is 'Macroevolution' reality? *Trans. N.Y. Acad. Sci.*, 14, No. 8 (1952), 302–3.

WELLS, G. P.

The proboscis apparatus of *Arenicola*. *J. Mar. Biol. Ass. U.K.*, 31 (1952), 1–28, pls. I–IV.
The respiratory significance of the crown in the polychaete worms *Sabella* and *Myxicola*. *Proc. Roy. Soc. B*, 140 (1952), 70–82.
Lugworms (*Arenicola marina*) and the mechanical properties of their environment. *Deformation and Flow in Biological Systems* (ed. A. Frey-Wyssling), 1952. 510.

FACULTY OF ENGINEERING

CHEMICAL ENGINEERING

During the year the department has received considerable help from commercial firms, whose generous grants are recorded in Appendix XIV of this Report. Pumps and compressors have also been given by Thomas Hedleys Ltd, and through the good services of an old student, tin plate for research purposes was presented by Richard Thomas Ltd, of Ebbw Vale. During the year it has been possible to re-equip the top laboratory, so that two classes can be accommodated on the same bench place. A heat exchanger made of graphite was presented by Powell Duffryn Ltd and with the necessary ancillary

equipment for the separation of corrosive and delicate liquids has been installed by the Workshop. Help has been given during the term for the production on a large scale of coezymes for the Biochemistry Department and of organic chemicals for the Chemistry Department. Considerable use has been made of the cinema as a method of instruction. Films on the hydro-dynamic behaviour of fluids and on metallurgy and manufacturing techniques are now available from commercial firms and elsewhere which have considerable instructive value and form a valuable adjunct to lectures.

PUBLICATIONS

CALDERBANK, P. H.

The catalytic oxidation of naphthalene. *Industr. Chem. chem. Mfr.*, 28 (1952), 291–5.

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The statistical interpretation of thermodynamic concepts. *Chem. Eng. Sci.*, 1 (1951), 18–20.

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Calculation of the number of theoretical plates in distillation columns. *Industr. Chem. chem. Mfr.*, 28 (1952), 339–40.

CIVIL AND MUNICIPAL ENGINEERING

Concrete Technology.—Research on the vibration of fresh concrete has continued and use has been made of the newly-constructed vibrating table. An investigation is being carried out into the mechanism of failure of concrete with particular reference to the crushing strength test. A new sonic testing apparatus of high accuracy has been built to study the elastic and plastic properties of hardened concrete. The ultrasonic pulse velocity apparatus has been completed and brought into use both for laboratory and for full-scale tests. A study of concrete mix design using a surface area method is being used to develop a method of mix design for gap-graded aggregates.

Soil Mechanics.—A new triaxial compression machine has been brought into use, fitted with motor drive and variable speed gear box. It is also equipped with apparatus for measuring pore-water pressure. Some research experiments are in progress for the determination of stress-strain relationship of compacted sand. A triple shear box, also motor driven at variable speed, is in course of assembly.

Strength of Materials.—A new fatigue testing machine for testing wire has been installed and brought into use. A $\frac{3}{4}$-ton Denison creep machine has been installed. This is equipped with a sensitive extensometer, furnace for high temperature testing, and temperature control. Several new tests have been introduced into the laboratory courses.

Traffic Engineering.—The Road Traffic Survey has been continued in the suburban area of London. A series of diagrams has been completed which shows the 1937 volumes and the estimated future ultimate peak hour volumes on the roads over an area of 500 square miles. A small scale Street Parking Survey has been made in the neighbourhood of the College, in order to assess the proportions of vehicles standing at the kerb which might be expected to use off-street parking space if this were available.

PUBLIC HEALTH ENGINEERING.—The Chadwick Fellow continued research on the dewatering of sewage sludge. Investigations on the application of ultrasonic vibrations to the treatment of water and sewage were completed, and theses have been submitted reporting the results obtained.

PHOTOGRAMMETRY.—Research has continued on the application of photogrammetric methods to medical problems. New methods of investigating coastal and beach erosion have been commenced; plotting machine accuracies have been studied, and a statistical test for systematic error in aerial triangulation carried out. An analysis of the performance of a Gyroscopic Tilt Recorder has been completed, and a preliminary report sent to the makers of the apparatus. Work proceeds on a photogrammetric plotter, in conjunction with a firm of scientific instrument manufacturers. The principal parts of the instrument have been designed and work started on the optical system; certain important linkages are being made up for trial in advance of the completion of the design.

PUBLICATIONS

CAPPER, P. L.

Reviews of the following:
Symposium on the Identification and Classification of Soils. Special Technical Publication No. 113, American Society for Testing Materials. *Engineering*, 172, No. 4476 (1951), 608.
T. W. Lambe, *Soil Testing for Engineers. Ibid.*, 173, No. 4495 (1952), 356.
Triaxial Testing of Soils and Bituminous Mixtures. American Society for Testing Materials. *Ibid.*, 173, No. 4503 (1952), 607.

DAVIS, E. H.

Soil mechanics for road engineers. *Department of Scientific and Industrial Research, Road Research Laboratory.* H.M.S.O., 1952, 346–438.

JESSOP, H. T.

The scattered light method of exploration of stresses in two- and three-dimensional models. *Brit. J. Applied Physics*, 2 (Sept. 1951), 249–60.

JESSOP, H. T., SNELL, C.

Photoelasticity and aircraft design. *The Aeronautical Quarterly*, iii (Nov. 1951), 161–72.

MISKIN, E. A.

Text Book of Photogrammetry by Dr M. Zeller. (Translated, revised and rewritten by E. A. Miskin.) London: H. K. Lewis & Co. Ltd, 1952. 281 pp.

ELECTRICAL ENGINEERING

The research work of the department is broadly divisible into two sections, the first of which concerns the electrical properties of magnetic materials and is directed by Professor F. Brailsford, while the second includes a variety of investigations on high-frequency electromagnetic waves and is supervised jointly by Professor H. E. M. Barlow and Dr A. L. Cullen. The following subjects are now being actively pursued: (1) losses in sheet steel at high magnetic flux densities; (2) microwave permittivity of ionized gases; (3) measurement of microwave power at a wavelength of 3 cm; (4) exploration of space charge formation in air prior to electrical breakdown at high frequencies; (5) propagation of Sommerfeld-Goubau wave along a straight conductor; (6) measurement of field strength at high frequencies; (7) propagation at a wavelength of 8 mm of the H_{01} mode in a hollow metal guide of circular cross-section.

Apart from some development of the work on magnetic materials, which will be made possible by the delivery of new research equipment now on order, and a project utilizing the resources of the valve laboratory to investigate principles in the interchange of energy between electron streams and electromagnetic waves, no further expansion of the research activity in the department is possible without additional accommodation.

The department is grateful to the Royal Society, the Electrical Research Association, the Department of Scientific and Industrial Research, the Ministry of Supply and the Admiralty for financial support of the various researches and for money to meet the salary of an additional instrument maker who was recruited recently.

Apparatus to demonstrate the behaviour of surface waves on wires was shown by Professor Barlow and Dr Cullen at the Royal Society Soirée on 22 May 1952.

Dr Cullen has been appointed a member of the Measurements Committee of the Radio Research Board.

PUBLICATIONS

BARLOW, H. E. M.

Currents and Fields in Electrical Engineering. Inaugural Lecture, University College London. H. K. Lewis, 1952. 20 pp.

The relative power-carrying capacity of high-frequency waveguides. *Proc. I.E.E.*, 99, Pt iii (Jan. 1952), 21–7.

Anti-resonant high frequency transmission lines. *Wireless Engineer*, 29, No. 345 (June 1952), 145.

CULLEN, A. L.

The measurement of microwave power by radiation pressure. (Read before Section G, British Association, Edinburgh, 14 Aug. 1951.) *Engineering*, 172 (21 Sept. 1951), 377–8; Discussion on above paper. *Ibid.*, 172 (31 Aug. 1951), 278–9.

An electrostatic paradox. *Bulletin of Electrical Engineering Education*, No. 7 (Nov. 1951), 76.

Contribution to discussion on 'Instruments for use in the microwave band, by Dr A. F. Harvey. *Proc. I.E.E.*, 98, Pt ii (Dec. 1951), 791.

Absolute power measurement at microwave frequencies. *Ibid.*, 99, Pt iv (Apr. 1952), 100–11.

A general method for the absolute measurement of microwave power. *Ibid.*, 99, Pt iv (Apr. 1952), 112–20.

Contribution to discussion on 'The relative power-carrying capacity of high-frequency waveguides' by Professor H. M. Barlow. *Ibid.*, 99, Pt iii (Sept. 1952), 323.

CULLEN, A. L., FOULDS, K. W. H.

Resonant cavity measurements on a d.c. discharge. *Nature*, 169 (1952), 236–7.

CULLEN, A. L., STEPHENSON, I. M.

A torque-operated wattmeter for 3 cm. microwaves. *I.E.E. Monograph*, No. 42 (15 July 1952), 1–8.

MECHANICAL ENGINEERING

Research has been continued on the rate of flame travel in the Internal Combustion Engine. The action of the Surge Tank in connection with Water Turbine Control is being studied by means of models and for this a special camera has been designed and made in the workshop. In the Applied Thermodynamics Section a test on a gas turbine was arranged with the National Gas Turbine School for the fourth-year students. A dual-fuel engine is being installed, which will operate with gas or oil as fuel. In the Hydraulics Section, designs have been prepared for modernizing the main centrifugal pump. Mr H. Billett, lecturer in Applied Thermodynamics, went to the National Gas Turbine Establishment during the summer to keep in touch with modern developments there.

PUBLICATIONS

ROSS, J. G.

(with D. C. MacPhail and E. C. Brown) The No. 2, 11½ ft × 8½ ft wind tunnel at the Royal Aircraft Establishment, Farnborough. *M.O.S., A.R.C. Tech. Report*, R. and M. No. 2424. H.M.S.O., 1951. 55 pp.

Wind tunnel tests on a 90° apex delta wing of variable aspect ratio (sweepback 36.8°). Part I. (with R. Hills and R. C. Lock) General stability. 19 pp. + 18 figs. Part II. (with R. C. Lock and P. Meiklem) Measurements of downwash and effect of high lift devices. 19 pp. + 11 figs. *Ibid.*, CP. No. 83. H.M.S.O., 1952.
(with R. C. Lock) Wind tunnel measurements of yawing moment due to yawing (n_r) on a 1/5.5 scale model of the Meteor Mark F. III. *Ibid.*, R. and M. No. 2791. H.M.S.O., 1952. 31 pp.
Review of *Supersonic tests of conventional control surfaces on a double-wedge aerofoil*, in *J. Aero. Sci.*, 17, 4 (1950), 204–10. *Applied Mechanics Review*, iv, No. 9 (1951), 524.

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Members of the staff and students working for higher degrees have carried out research work in many different fields. This has included work on the central nervous system of the octopus, the measurement of lactating mammary tissue, the innervation of muscle, and an investigation of the social behaviour of cells in tissue culture. A number of workers in the department have been concerned with the organization of the cerebral cortex. Considerable progress has been made with the flying spot microscope and associated counting equipment. The microscope has shown itself remarkably effective from an optical point of view, providing resolution at least as good as, perhaps better than, that obtained by conventional means. Members of the staff have found it useful to have a regular meeting once a week to discuss technical research problems.

PUBLICATIONS

ABERCROMBIE, M., HARKNESS, R. D.

The growth of cell populations and the properties in tissue culture of regenerating liver of the rat. *Proc. Roy. Soc. B*, 138 (1951), 544.

AITKEN, J. T., JOHNSON, M. L.

Selection of medical students: experiences at University College London. *Lancet*, ii (1952), 409–15.

ALLBROOK, D. B., AITKEN, J. T.

Reinnervation of striated muscle after acute ischaemia. *J. Anat., Lond.*, 85 (1951), 376.

CAUSEY, G., HARRIS, E. J.

The uptake and loss of phosphate by frog muscle. *Biochem. J.*, 49 (1951), 176.

CAUSEY, G., PALMER, ELIZABETH

Early changes in degenerating mammalian nerves. *Proc. Roy. Soc. B*, 139 (1952), 597.

CRAGG, B. G.

Action potentials in the cerebral cortex. *Nature*, 169 (1952), 240.

EVANS, D. H. L., VIZOSO, A. D.

Observations on the mode of growth of motor nerve fibres in rabbits during post-natal development. *J. Comp. Neurol.*, 95, No. 3 (1952), 429.

FERNAND, V. S. V., YOUNG, J. Z.

The sizes of the nerve fibres of muscle nerves. *Proc. Roy. Soc. B*, 139 (1951), 38.

HARDY, R. H.

(with J. C. R. Clapham) Observations on hallux valgus. *J. Bone Joint Surg.*, 33B, No. 3 (1951), 376.
Observations on the structure and properties of the plantar calcaneo-navicular ligament in man. *J. Anat., Lond.*, 85 (1951), 135.
(with J. C. R. Clapham) Hallux valgus. *Lancet*, i (1952), 1180.

RICHARDSON, K. C.

(with A. T. Cowie, S. J. Folley, and F. H. Mallpress) Studies on the hormonal induction of mammary growth and lactation in the goat. *J. Endocrinol.*, 8 (1952), 64.
Structural investigation of the contractile tissues in the mammary gland. *Mécanisme Physiologique de la Sécrétion Lactée*, Colloque International du C.N.R.S., Strasbourg (1952), 167–70.

ROBERTS, F., YOUNG, J. Z.

High-speed counting with the flying spot microscope. *Nature*, 169 (1952), 963.

YOUNG, J. Z.

Growth and plasticity in the nervous system. *Proc. Roy. Soc. B*, 139 (1951), 18.
Visual perception in relation to speech. *Brit. J. Physiol. Optics*, 9, No. 1 (Feb. 1952), 1–8.
(with others) The structure of synaptic junctions. *Nerve Impulse*, Transactions of the Third Conference, 3 and 4 March 1952. New York: Josiah Macy, Jr, Foundation, 1952. 110–76.

BIOCHEMISTRY

Work is in progress on a number of problems in physical biochemistry, including electrophoretic separation of serum proteins on paper and by standard techniques. The acid-base dissociation of compounds of biological importance, especially phosphate esters, is being studied from a thermodynamic standpoint. In the enzyme

field the study of glyoxalase is being continued; the biochemistry of fructose formation in animal tissues has also been under investigation. The influence of hormones upon a number of metabolic processes is under active study, with special reference to insulin and the anterior pituitary growth hormone. Comparative studies are in progress upon the nitrogen metabolism of Amphibia and the general metabolism of parasitic worms, in particular *Ascaris*.

PUBLICATIONS

AUDY, G., KERLY, M.

The glycogenolytic factor content of a number of insulin samples. *Biochem. J.*, 52 (1952), 70–4.
The glycogenolytic factor content of pancreas from different species. *Ibid.*, 52 (1952), 77–8.

AINSWORTH, I. B., PARR, C. W., WARREN, F. L.

Fructose formation in the placenta. *J. Endocrinol.*, 7 (1951), lxiii.

ANDERSON, A. J., WARREN, F. L.

Extraction of conjugated androgens from normal human urine. *J. Endocrinol.*, 7 (1951), lxv.

BALDWIN, E.

Dynamic Aspects of Biochemistry (2nd ed.). Cambridge University Press, 1952. 544 pp. (Italian translation of 1st ed., Rome: Einaudi, 1951. 467 pp. Spanish translation of 1st ed., Barcelona and Buenos Aires: Libreria Editorial Argos, S.A., 1951. 558 pp.
(with Vivien Moyle) Volatile fatty acids of *Ascaris lumbricoides* from the pig. *Biochem. J.*, 51 (1952), 504–10.

CROOK, E. M., HARRIS, H., WARREN, F. L.

Continuous direct photometry of proteins separated by electrophoresis in filter paper. *Biochem. J.*, 51 (1952), xxvi–xxvii.

DATTA, S. P.

Fluorine and dental caries. *U.C.H. Dental Journal*, xvi, No. 2 (1952), 14.

HARRIS, H., see pp. 57 and 58

HARRIS, H., WARREN, F. L.

(with D. I. Fowler) Plasma-cystine levels in cystinuria. *Lancet*, i (1952), 544–6.

KLATZKIN, C.

Quantitative determination of amino-acids separated by paper partition chromatography. *Nature*, 169 (1952), 422.

WARREN, F. L.

(with A. M. Robinson) Steroid hormones. *Ann. Rep. Chem. Soc.*, 48 (1951), 297.

A standard method for the colorimetric determination of urinary 17-ketosteroids. (Report for M.R.C. Committee on Clinical Endocrinology.) *Lancet*, ii (1951), 585.

BIOPHYSICS

The Biophysics Department has been concerned with two main fields of work, namely the physiology of nerve and muscle and the permeability of cell membranes. During the last year, experiments have been performed on neuro-muscular transmission in frogs and crustacea, on the discharge of impulses from muscle sense organs, on the excitability of denervated muscle and the mechanical properties of contracting muscle. A method is being developed for studying the properties of muscle subjected to high hydrostatic pressure. In the field of membrane permeability, the penetration of sodium and potassium ions into muscle tissue and across the membranes of muscle fibres and red blood cells have been studied. The exchange of ions between the cells of the electric organ of *Torpedo* and its surroundings have also been investigated.

PUBLICATIONS

ABBOTT, B. C.

Potassium exchange in frog muscle. *J. Physiol.*, 117 (1952), 24 P.

(with X. M. Aubert) The force exerted by striated muscle during and after change of length. *Ibid.*, 117 (1952), 77–86.

(with X. M. Aubert) Changes of energy in a muscle during very slow stretches. *Proc. Roy. Soc. B*, 139 (1951), 104–17.

ABBOTT, B. C., BIGLAND, B.

(with J. M. Ritchie) The physiological cost of negative work. *J. Physiol.*, 117 (1952), 380–90.

The physiological cost of negative work. *J. Physiol.*, 117 (1952), 17–18 P.

ABBOTT, B. C., HILL, A. V.

(with X. M. Aubert) The absorption of work by a muscle stretched during a single twitch or a short tetanus. *Proc. Roy. Soc. B*, 139 (1951), 86–103.

ABBOTT, B. C., WILKIE, D. R.

The relation between velocity of shortening and the tension-length curve of skeletal muscle. *J. Physiol.*, 117 (1952), 26 P.

CALDWELL, P. C.

A study of the phosphate esters in muscle by means of paper chromatography. *Biochem. J.*, 50 (1952), xxxv.

CALDWELL, P. C., HARRIS, E. J.

Metabolic control by intercellular pH. *Biochem. J.*, 51 (1952), xli.

FATT, P., KATZ, B.

Conduction of impulses in crustacean muscle fibres. *J. Physiol.*, 115 (1951), 45 P.

An analysis of the end-plate potential recorded with an intra-cellular electrode. *Ibid.*, 115 (1951), 320–70.

Spontaneous subthreshold activity at motor nerve endings. *Ibid.*, 117 (1952), 109–28.

Electric responses of single crustacean muscle fibres. *Ibid.*, 117 (1952), 15–16 P.

The effect of sodium ions on neuromuscular transmission. *Ibid.*, 118 (1952), 73–87.

The electric activity of the motor end-plate: 'A discussion on excitation and inhibition'. *Proc. Roy. Soc. B*, 140 (1952), 183–6.

HARRIS, E. J.

The Physical Society Exhibition. *J. Sci. Instrum.*, 29 (1952), 169.

The exchangeability of the potassium of frog muscle, studied in phosphate media. *J. Physiol.*, 117 (1952), 278–88.

(with M. Maizels) Distribution of ions in suspensions of human erythrocytes. *Ibid.*, 118 (1952), 40–53.

HILL, A. V.

The mechanics of voluntary muscle. *Lancet*, ii (1951), 947.

The thermodynamics of elasticity in resting striated muscle. *Proc. Roy. Soc. B*, 139 (1952), 464–97.

PHARMACOLOGY

The general structure of medical undergraduate teaching and the teaching of pharmacology in the B.Sc. (Special) Physiology course was the same as in the previous year. Members of the staff have carried out research work in many different fields of pharmacology. This includes research on release of histamine and the action of anti-histamine drugs, as well as investigations of substances other than histamine in relation to anaphylactic shock. In collaboration with the Anatomy Department research work on the pharmacology and anatomy of Auerbach's plexuses has been carried out. Studies of the content of vasopressor, oxytocic, and antidiuretic factors of the posterior pituitary glands of human foetuses have been continued, and further work on the metabolism of posterior pituitary secretions in relation to renal functions has been started. Research has also

been carried out on antidromic potentials. The work on the action of drugs on various mental tests has been continued, and an analysis of tissue pressure in the kidney has been undertaken.

PUBLICATIONS

DICKER, S. E.

The renal response to diuretics in newborn rats. *J. Physiol.*, 114 (1951), 22 P.

DICKER, S. E., TYLER, C.

Antidiuretic titre of plasma from the internal jugular vein of children. *J. Physiol.*, 117 (1952), 28 P.

HAWKINS, D. F., SCHILD, H. O.

The action of drugs on isolated human bronchial chains. *Brit. J. Pharmacol.*, 6 (1951), 682–90.

MONGAR, J. L., SCHILD, H. O.

Parallelism between the effects of anaphylactic shock and of a synthetic histamine releaser. *J. Physiol.*, 116 (1951), 31–2 P.

SCHILD, H. O.

Activity of the cervix of the human uterus and its response to drugs. *Proc. Roy. Soc. Med.*, 44 (1951), 869–70.

WILSON, A.

(with R. J. Calvert and H. Geoghegan) Plasma cholinesterase activity in liver disease. Its value as a diagnostic test of liver function compared with flocculation tests and plasma protein determinations. *J. Clin. Invest.*, xxxi (1952), 815–23.

WILSON, A., SCHILD, H. O.

A. J. Clark's 'Applied Pharmacology'. London: J. & A. Churchill Ltd, 1952. 691 pp.

WINTON, F. R.

Intrarenal pressure and renal blood flow. *Transactions of Third Conference on Renal Function* (Oct. 1951), 51–100. Josiah Macy, Jr, Foundation, New York (Corlies Macy & Co. Inc., N.Y.).

Renal interstitial pressure. *J. Physiol.*, 117 (1952), 20–2 P.

PHYSIOLOGY

The research activities of the department have continued to develop satisfactorily. Progress in the study of neuromuscular transmission has been made and unsuspected complexities have been revealed in the sympathetic nervous system. Investigations of the performance

of human muscles have led to the applications to man of information obtained from amphibian muscle. Work on the fundamental processes of initiation of sensory nerve impulses is continuing and applications are extending to such different sensory structures as the nerve-endings in teeth and the pressor receptors in the vascular system. A study is being made of the effects on renal function of substances known to act only on certain portions of the secreting unit. Work is continuing on the regrowth of the liver after its partial removal and an analysis is in progress of the relative growth of the individual components of the growing tissues. The control of air and blood flow through the lungs in relation to vascular phenomena in the whole animal has been the subject of continued investigation, and work has been begun on the substances released in the lungs in anaphylactic shock.

PUBLICATIONS

BAYLISS, L. E.

Rheology of blood and lymph. (Reprinted from: *Deformation and Flow in Biological Systems*, ed. A. Frey-Wyssling.) Amsterdam: North Holland Publishing Company, 1952. 73 pp.

BIGLAND, BRENDA, JEHRING, BARBARA

Muscle performance of rats treated with growth hormone. *J. Physiol.*, 115 (1951), 21 P.

Muscle performance in rats, normal and treated with growth hormone. *Ibid.*, 116 (1952), 129.

BLIGH, J.

The level of free choline in plasma. *J. Physiol.*, 117 (1952), 234.

BROWN, G. L., McLENNAN, H., PASCOE, J. E.

Failure of ganglionic transmission after postganglionic nerve section. *J. Physiol.*, 117 (1952), 28 P.

BROWN, G. L., PASCOE, J. E.

Conduction through the inferior mesenteric ganglion of the rabbit. *J. Physiol.*, 118 (1952), 113–23.

CASTILLO, J.

The initiation of propagated potentials in single nerve fibres: comparative aspects. *Experientia*, viii, 3 (1952), 112.

CASTILLO, J., STARK, L.

The effect of calcium ions on the motor end-plate potentials. *J. Physiol.*, 116 (1952), 507.

CHUNGCHAROEN, D., DALY, M. DE BURGH, SCHWEITZER, A. (the late)

The effect of carotid occlusion upon the intrasinusal pressure. *J. Physiol.*, 115 (1951), 49 P.
(with E. Neil) The effect of carotid occlusion upon the intrasinusal pressure with special reference to vascular communications between the carotid and vertebral circulations in the dog. *Ibid.*, 117 (1952), 56.
The blood supply of the carotid body. *Ibid.*, 117 (1952), 11 P.

DALY, M. DE BURGH

(with I. de Burgh Daly) A new perfusion valve for use with Dale–Schuster pumps. *J. Physiol.*, 115 (1951), 27 P.

DALY, M. DE BURGH, LAMBERTSEN, C. J., SCHWEITZER, A. (the late)

Observations on carotid body blood flow in the cat. *J. Physiol.*, 117 (1952), 12 P.
Bronchomotor responses to gaseous composition of the blood. *Ibid.*, 117 (1952), 60 P.

DALY, M. DE BURGH, SCHWEITZER, A. (the late)

The contribution of the vasosensory areas of the reflex control of bronchomotor tone. *J. Physiol.*, 116 (1952), 35.

DAVSON, H.

General Physiology. London: J. & A. Churchill Ltd, 1951. 659 pp.
Permeability of Natural Membranes (2nd ed.). Cambridge University Press, 1952. 361 pp.
Permeability in medicine. *Brit. Med. J.*, ii (1951), 1568.

DAVSON, H., MATCHETT, P. A., ROBERTS, J. R. E.

Distribution of chloride between plasma and aqueous humour. *J. Physiol.*, 116 (1952), 47 P.

EGGLETON, M. GRACE

The state of body water in the cat. *J. Physiol.*, 115 (1951), 482.
The effect of injection of hypertonic salt solution on the chloride content of mammalian skin. *Ibid.*, 117 (1952), 172.

GOFFART, M., RITCHIE, J. M.

Action of adrenaline on mechanical properties of muscle. *J. Physiol.*, 115 (1951), 77 P.
The effect of adrenaline on the contraction of mammalian skeletal muscle. *Ibid.*, 116 (1952), 357.

HARKNESS, R. D.

The spatial distribution of dividing cells in the liver of the rat after partial hepatectomy. *J. Physiol.*, 116 (1952), 373.

Collagen in regenerating liver of the rat. *Ibid.*, 117 (1952), 257–66.
Changes in the liver of the rat after partial hepatectomy. *Ibid.*, 117 (1952), 267–77.
(with A. Neuberger) Collagen formation in rabbit skin. *J. Biochem.*, 51 (1952), xxii–xxiii.

HARKNESS, MARGARET L. R., WASSERMANN, A.

The intrinsic viscosity of sodium alginate. *J. Chem. Soc.* (1952), 497.

HUTTER, O. F.

Effect of choline on neuromuscular transmission in the cat. *J. Physiol.*, 117 (1952), 241.

HUTTER, O. F., PASCOE, J. E.

Decurarisation by decamethonium. *Brit. J. Pharmacol.*, 6 (1951), 691.

LEWIS, H. E.

Effect of adrenaline and nor-adrenaline on the isolated stomach. *J. Physiol.*, 114 (1951), 21 P.

LEWIS, H. E., LIPPOLD, O. C. J.

A simple method for micro-gas-analysis. *J. Physiol.*, 117 (1952), 16–17 P.

LIPPOLD, O. C. J.

The relation between integrated action potentials in a human muscle and its isometric tension. *J. Physiol.*, 117 (1952), 492–9.

WILKIE, D. R.

Acoustic properties of flying helmets. *J. Acoustical Soc. Amer.*, 24 (1952), 191.
The coefficient of expansion of muscle. *J. Physiol.*, 117 (1952), 61 P.

APPENDIX I

COLLEGE COMMITTEE

Chairman: The Rt Hon. Lord Normand, LL.D.‡
Vice-Chairman: Sir Robert Waley Cohen, K.B.E., M.A.‡*
Treasurer: Sir Frederick James, C.B.E. (*Treasurer from 1 March 1952*)
Arthur Brian Ashby, M.A.
Mrs Irene Chaplin, B.A., J.P.
W. E. Duncanson, PH.D., D.SC.
P. Dunsheath, C.B.E., M.A., D.SC., D.ENG., M.I.E.E.
B. Ifor Evans, M.A., D.LIT., Provost†
Sir Alexander Gibb, G.B.E., C.B., LL.D., F.R.S.†
R. E. Gibbs, D.SC., F.INST.P.
David Heron, M.A., D.SC.† (*Treasurer to 29 February 1952*)
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡
Professor S. E. Hollingworth, M.A., D.SC.
A. S. Holness, F.I.A.
Professor B. J. Lloyd-Evans, M.SC.(ENG.), PH.D., M.I.MECH.E.
L. Hilary Macklin, O.B.E., M.A.
E. K. Martin, M.B., M.S., F.R.C.S.†
Professor T. B. L. Webster, M.A., F.S.A.
Miss Etheldreda Wickers, B.A., A.C.P.
Professor G. L. Williams, M.A., LL.D.
Professor F. R. Winton, M.A., M.D., D.SC.
R. McKinnon Wood, O.B.E., M.A.

APPENDIX II

PROFESSORIAL BOARD

Chairman: B. Ifor Evans, M.A., D.LIT., Provost†
C. W. Allen, D.SC., Perren Professor of Astronomy
G. C. Allen, M.COM., PH.D., Professor of Political Economy
A. J. Ayer, M.A., Grote Professor of Philosophy of Mind and Logic
Ernest Baldwin, PH.D., Professor of Biochemistry
H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., A.M.I.MECH.E., Pender Professor of Electrical Engineering†
H. Hale Bellot, M.A., Commonwealth Fund Professor of American History†
O. L. Brady, D.SC., D.I.C., F.R.I.C., Reader in Organic Chemistry
F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Electrical Engineering
G. L. Brown, C.B.E., M.SC., M.B., CH.B., F.R.S., Jodrell Professor of Physiology

† Fellow of the College. ‡ Hon. Fellow of the College. *Died on 27 November 1952.

A. B. C. Cobban, M.A., PH.D., Reader in Modern French History

W. M. Coldstream, C.B.E., Slade Professor of Fine Art

H. J. Collins, M.C., M.SC., M.I.C.E., M.I.MECH.E., P.P.I.STRUCT.E., A.M.AM.SOC.C.E. Chadwick Professor of Civil Engineering

H. O. Corfiato, S.A.D.G., F.S.A., F.R.I.B.A., HON.F.I.B.D., Professor of Architecture

H. C. Darby, O.B.E., M.A., PH.D., Professor of Geography

H. Davenport, M.A., SC.D., F.R.S., Astor Professor of Mathematics

Florence N. David, D.SC., Reader in Statistics

H. Dingle, D.SC., D.I.C., A.R.C.S., Professor of History & Philosophy of Science

M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S., Ramsay Memorial Professor of Chemical Engineering

W. E. Duncanson, PH.D., D.SC., Reader in Physics

W. B. Emery, M.B.E., M.A., F.S.A., Edwards Professor of Egyptology

R. C. Fitzgerald, LL.B., F.R.S.A., Reader in English Law

Daryll Forde, PH.D., Professor of Anthropology†

L. W. Forster, M.A., DR.PHIL., Professor of German

D. B. Fry, PH.D., Reader in Experimental Phonetics

A. H. Gerrard, Professor of Sculpture

J. B. S. Haldane, M.A., D.SC., D.DE L'UNIV., F.R.S., Weldon Professor of Biometry

W. G. Holford, M.A., F.R.I.B.A., M.T.P.I., F.I.L.A., Professor of Town Planning

S. E. Hollingworth, M.A., D.SC., Yates-Goldsmid Professor of Geology

E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S., Professor of Chemistry

R. A. Humphreys, O.B.E., M.A., PH.D., Professor of Latin American History

C. K. Ingold, D.SC., F.R.S., Professor of Chemistry

Raymond Irwin, M.A., F.L.A., Director of School of Librarianship & Archives

B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics

G. W. Keeton, M.A., LL.D., Professor of English Law

B. J. Lloyd-Evans, M.SC.(ENG.), PH.D., M.I.MECH.E., Kennedy Professor of Mechanical Engineering

Kathleen Lonsdale, D.SC., F.R.S., Professor of Chemistry†

H. S. W. Massey, M.SC., PH.D., F.R.S., Quain Professor of Physics

P. B. Medawar, M.A., D.SC., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

A. D. Momigliano, M.A., D.LITT., Professor of Ancient History

J. E. Neale, M.A., D.LITT., F.B.A., Astor Professor of English History†

W. H. Pearsall, D.SC., F.R.S., Quain Professor of Botany

E. S. Pearson, C.B.E., M.A., D.SC., Professor of Statistics†

L. S. Penrose, M.A., M.D., M.R.C.S., L.R.C.P., Galton Professor of Eugenics

G. J. Renier, PH.D., PHIL.LIT.CAND., Professor of Dutch History and Institutions†

C. M. Robertson, M.A., Yates Professor of Classical Art and Archaeology

R. W. Russell, M.A., PH.D., Professor of Psychology

†Fellow of the College.

O. Skutsch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., M.A., PH.D., D.LIT., Quain Professor of English Language and Literature

S. Stein, PH.D., Goldsmid Senior Lecturer in Hebrew

James R. Sutherland, M.A., B.LITT., Lord Northcliffe Professor of Modern English Literature

H. Terrey, B.SC., Professor of Chemistry

E. H. Thompson, O.B.E., B.A., Professor of Surveying and Photogrammetry

E. G. Turner, M.A., Professor of Papyrology

T. B. L. Webster, M.A., F.S.A., Professor of Greek

R. Weiss, B.A., Professor of Italian

Elizabeth M. Wilkinson, PH.D., Reader in German

John Wilks, M.A., F.L.A., Librarian†

G. L. Williams, M.A., LL.D., Quain Professor of Jurisprudence

F. R. Winton, M.A., M.D., D.SC., Professor of Pharmacology

R. Wittkower, PH.D., Durning-Lawrence Professor of the History of Art

B. Woledge, M.A., D.DE L'UNIV., Fielden Professor of French Language and Literature

D. O. Wood, M.SC., A.R.C.S., F.INST.P., Lecturer in Physics

T. L. Wren, M.A., Reader in Geometry

J. Z. Young, M.A., F.R.S., Professor of Anatomy

APPENDIX III

ELECTION OF HONORARY FELLOW AND FELLOWS

The following elections were made in 1952:

HONORARY FELLOW

The Right Honourable Lord Normand, LL.D.

FELLOWS

Mr Edwin Arthur Chapman-Andrews, C.M.G., Envoy Extraordinary and Minister Plenipotentiary in Beirut

Professor William Jolly Duncan, F.R.S., Mechan Professor of Aeronautics and Fluid Mechanics, University of Glasgow

Professor Henri Frankfort, Director of the Warburg Institute, London, and Professor of the History of Pre-Classical Antiquity in the University of London

Professor Kathleen Lonsdale, F.R.S., Professor of Chemistry in the University of London

Mr Thomas Angus Lyall Paton, Partner, Sir Alexander Gibb & Partners

Dr Roland Humphrey Dobree Short, First Assistant, Department of Morbid Anatomy, University College Hospital Medical School

†Fellow of the College.

APPENDIX IV

RECOGNITION AS TEACHERS OF THE UNIVERSITY

The following members of the academic staff have been granted Recognition as Teachers of the University during the academic year 1951–52 and have been assigned to University Faculties as indicated:

Biochemistry	A. L. Greenbaum	Science
Botany	P. R. Bell	Science
	J. Heslop Harrison	Science
	P. J. Syrett	Science
Chemistry	R. J. Gillespie	Science
	D. J. Millen	Science
Classics	R. Browning	Arts
Economics	W. J. Corlett	Economics
English	A. Brown	Arts
	Winifred M. T. Nowottny	Arts
	C. R. Quirk	Arts
Geography	E. H. Brown	Arts and Science
History	*J. Hurstfield	Arts
Law	E. R. H. Ivamy	Laws
Mathematics	C. A. Rogers	Science
Pharmacology	S. E. Dicker	Science and Medicine
Physiology	R. D. Harkness	Science
Surveying	C. A. Biddle	Engineering
Zoology	D. R. Newth	Science
	D. M. Ross	Science

APPENDIX V

MEMBERSHIP OF COLLEGE FACULTIES

The following members of staff have been appointed to membership of College Faculties under Regulation 31 during the academic year 1951–52:

FACULTY OF ARTS

R. C. White-Cooper	Senior Lecturer	Architecture
J. Hurstfield	Lecturer	History
G. J. Kane	Lecturer	English Language and Literature
W. R. Mead	Lecturer	Geography

*Transferred from Queen Mary College.

FACULTY OF SCIENCE

W. D. M. Paton	Reader	Pharmacology
E. H. Brown	Lecturer	Geography

FACULTY OF ENGINEERING

P. H. Kemp	Lecturer	Civil and Municipal Engineering
T. H. Lambert	Lecturer	Mechanical Engineering
W. S. Norman	Lecturer	Chemical Engineering

FACULTY OF MEDICAL SCIENCES

W. D. M. Paton	Reader	Pharmacology
B. C. Abbott	Lecturer	Biophysics
E. J. Harris	Lecturer	Biophysics
D. W. James	Lecturer	Anatomy and Embryology
J. L. Mongar	Lecturer	Pharmacology
D. A. Sholl	Lecturer	Anatomy and Embryology

APPENDIX VI

ACADEMIC STAFF: NEW APPOINTMENTS AND RESIGNATIONS

FACULTY OF ARTS

ANTHROPOLOGY

APPOINTMENTS

M. Mary Douglas, M.A., B.SC. (Lecturer), from Lectureship in Social Anthropology, Oxford.

H. A. Powell, B.A. (Assistant Lecturer), formerly Research Student of the College.

M. G. Smith, PH.D. (Research Assistant), formerly Research Fellow, Colonial Social Science Research Council.

RESIGNATIONS

D. O. Arikpo, B.SC. (Research Assistant), appointed Minister of Lands and Development, Nigerian Government.

Tanya M. Baker, B.A. (Research Assistant), appointed Research Assistant in Social Anthropology, University of Edinburgh.

M. G. Smith, PH.D. (Research Assistant), appointed Research Fellow in Social Anthropology, West Indies Social and Economic Research Institute, Jamaica.

ARCHITECTURE

RESIGNATION

L. Stuart Stanley, M.A., F.R.I.B.A., M.T.P.I. (Senior Lecturer and Tutor).

EGYPTOLOGY

APPOINTMENT

W. B. Emery, M.B.E., M.A., F.S.A. (Edwards Professor of Egyptology), from the Diplomatic Service.

ENGLISH LANGUAGE AND LITERATURE

APPOINTMENTS

J. R. Sutherland, M.A., B.LITT. (Lord Northcliffe Professor of Modern English Literature), formerly Professor of English Language and Literature, Queen Mary College, London.

W. S. Aitken, M.A. (Part-time Assistant), formerly Research Student, King's College, London.

E. J. Killham, B.A. (Part-time Assistant), formerly Research Student, King's College, London.

Talbot Donaldson, M.A., PH.D. (Honorary Research Associate), Visiting Guggenheim Fellow and Professor of English, Yale University, U.S.A.

J. B. Bessinger, M.A. (Honorary Research Assistant), Teaching Fellow and Tutor, Harvard University.

RESIGNATIONS

C. J. Sisson, M.A., D.LIT., D.ÈS L. (Special Lecturer), Director, Shakespeare Research Institute, Stratford.

W. S. Aitken, M.A. (Part-time Assistant).

S. S. Hussey, B.A. (Part-time Assistant), to Assistant Lectureship, Queen Mary College, London.

Talbot Donaldson, M.A., PH.D. (Honorary Research Associate), returned to Yale.

J. B. Bessinger, M.A. (Honorary Research Assistant), returned to Harvard.

FINE ARTS

APPOINTMENT

I. E. Tregarthen Jenkin, M.A. (Tutor to Slade Students), in addition to appointment as Secretary of the Slade School.

RESIGNATION

S. R. I. Knox, B.A. (Part-time Assistant).

FRENCH

APPOINTMENTS

J. W. Jeaffreson, M.A. (Part-time Lecturer).

J. E. Bertaud, L.ÈS L. (Part-time Assistant), part-time Teacher at Regent Street Polytechnic.

C. A. Burns, PH.D. (Part-time Assistant), formerly Research Student of the College.

RESIGNATIONS

C. A. Burns, PH.D. (Part-time Assistant), to Assistant Lectureship, University of Nottingham.

Agnès Glorieux, L.ÈS L. (Part-time Assistant), returned to France.

M. C. J. Holland, B.A. (Part-time Assistant), to University of Glasgow.

GEOGRAPHY

APPOINTMENTS

B. R. Law, B.SC.(ECON.) (Assistant Lecturer), formerly Student of the College.

W. P. Packard, M.A. (Assistant Lecturer), Rhodes Scholar from New Zealand.

H. C. Prince, B.A. (Research Assistant), formerly Student of the College.
P. J. Walter, M.A. (Research Assistant), formerly Student of University of Edinburgh.

RESIGNATION

P. Wheatley, M.A. (Assistant Lecturer), to Lectureship in Geography, University of Malaya, Singapore.

GERMAN

APPOINTMENT

B. A. Rowley, M.A. (Assistant Lecturer), formerly Research Student, Corpus Christi College, Cambridge.

RESIGNATION

P. B. Salmon, M.A. (Assistant Lecturer), to Lectureship, Royal Holloway College, London.

GREEK

APPOINTMENTS

M. Coffey, B.A. (Assistant Lecturer), formerly Research Student, St John's College, Cambridge.
U. H. A. Hölscher, DR.PHIL. (Honorary Research Assistant), Lecturer, University of Munich.
K. Kleve (Honorary Research Assistant), formerly Research Student, University of Oslo.

RESIGNATIONS

U. H. A. Hölscher, DR.PHIL. (Honorary Research Assistant), returned to Munich.
K. Kleve (Honorary Research Assistant), returned to Oslo.

HISTORY

APPOINTMENTS

A. D. Momigliano, M.A., D.LITT. (Professor of Ancient History), from Readership in Ancient History, University of Bristol.
J. Hurstfield, B.A. (Lecturer), from Lectureship in History, Queen Mary College, London.
F. M. L. Thompson, M.A. (Assistant Lecturer), formerly Research Student, Merton College, Oxford.

LATIN

APPOINTMENTS

O. Skutsch, DR.PHIL. (Professor of Latin), from Senior Lectureship, University of Manchester.
M. Coffey, B.A. (Assistant Lecturer), formerly Research Student, St John's College, Cambridge.

LIBRARIANSHIP AND ARCHIVES

APPOINTMENTS

D. V. Arnold, B.SC., F.L.A. (Part-time Lecturer), Librarian, Imperial Chemical Industries Limited, Paints Division.

R. F. Vollans, F.L.A. (Part-time Lecturer), Deputy Librarian, Westminster City Libraries.

PHILOSOPHY

APPOINTMENT

P. Long, B.A. (Assistant), formerly Student of the College.

POLITICAL ECONOMY

APPOINTMENTS

J. Lanner, B.SC.(ECON.) (Lecturer), from Assistant Lectureship, University College of South Wales, Cardiff.

Rita J. Maurice, B.SC.(ECON.) (Assistant Lecturer), formerly Student of the College.

J. H. Dunning, B.SC.(ECON.) (Research Assistant), formerly Student of the College.

RESIGNATION

J. H. Dunning, B.SC.(ECON.) (Research Assistant), to Assistant Lectureship, University College, Southampton.

SCANDINAVIAN STUDIES

APPOINTMENTS

Y. B. Olsson, FIL.LIC. (Crown Princess Louise Lecturer in Swedish), from Lectureship, Hvitfeldtska högre allm. laroverket, Göteborg.

R. G. Popperwell, B.A., PH.D. (Temporary W. P. Ker Lecturer in Norwegian), Lecturer, University of Cambridge.

RESIGNATION

R. G. Popperwell, B.A., PH.D. (Temporary W. P. Ker Lecturer in Norwegian).

TOWN PLANNING

APPOINTMENT

Ruth Glass, M.A. (Honorary Research Associate), formerly Research Officer, Ministry of Town and Country Planning.

FACULTY OF LAWS

APPOINTMENTS

Valentine Latham, LL.M. (Assistant Lecturer), formerly Student of the College.

S. Prevezer, B.A. (Assistant Lecturer), formerly Student, University of Cambridge.

J. Frankel, LL.M., PH.D. (Temporary Assistant Lecturer), formerly Research Student of the College.

W. Abendroth, DR.JUR. (Honorary Research Associate), Visiting Professor from University of Marburg-Lahn.

RESIGNATIONS

J. Frankel, LL.M., PH.D. (Temporary Assistant Lecturer), to Lectureship, University of Aberdeen.

W. Abendroth, DR.JUR. (Honorary Research Associate), returned to Germany.

FACULTY OF SCIENCE

ASTRONOMY

APPOINTMENTS

C. W. Allen, D.SC. (Perren Professor), formerly Principal Research Assistant, Commonwealth Observatory, Canberra, Australia.

R. H. Garstang, M.A. (Lecturer), formerly Research Associate, Yerke Observatory, Williams Bay, Wisconsin, U.S.A.

BOTANY

APPOINTMENT

C. C. Dadd, B.SC. (Honorary Research Assistant), formerly Research Student of the College.

RESIGNATIONS

P. J. Chamberlain, B.SC. (Assistant Lecturer).

Pearl E. Stokes, PH.D. (Quain Student).

CHEMISTRY

APPOINTMENTS

Joan Banus, PH.D. (Temporary Assistant Lecturer), from Lectureship, University of Southern California.

J. E. J. Gowan, PH.D. (Temporary Assistant Lecturer), formerly Research Student of the College.

G. Illuminati, D.SC. (Honorary Research Associate), from Lectureship, University of Rome.

A. M. Eastham, PH.D. (Honorary Research Assistant), formerly Member, Scientific Staff, National Research Council, Canada.

RESIGNATIONS

D. P. Craig, M.SC., PH.D. (Lecturer), appointed Professor, University of Sydney.

R. S. Nyholm, M.SC., PH.D. (Lecturer), appointed Assistant Professor, Technical University of Sydney.

Joan Banus, PH.D. (Temporary Assistant Lecturer).

J. E. J. Gowan, PH.D. (Temporary Assistant Lecturer), to Lectureship, University College, Dublin.

J. F. Smith, B.SC. (Temporary Assistant Lecturer), to Research appointment, Research Association British Rubber Manufacturers, Croydon.

G. Illuminati, D.SC. (Honorary Research Associate), returned to University of Rome.

A. M. Eastham, PH.D. (Honorary Research Assistant), returned to appointment in Canada.

R. Passerini, D.CHIM.IND. (Honorary Research Assistant), returned to University of Bologna.

EUGENICS, BIOMETRY, AND GENETICS

APPOINTMENTS

A. G. Searle, B.SC. (Honorary Research Assistant), formerly Research Student of the College.

Gillian M. Truslove, PH.D. (Honorary Research Assistant), formerly Research Student of the College.

RESIGNATION

Norma R. McArthur, PH.D. (Assistant Lecturer), to Research Fellowship, National University of Australia, Canberra.

MATHEMATICS

APPOINTMENTS

P. Erdös, D.SC. (Temporary Lecturer), formerly Research Fellow, University of Aberdeen.

E. A. Power, M.SC., PH.D. (Assistant Lecturer), formerly Research Student, University of Glasgow.

RESIGNATIONS

P. Erdös, D.SC. (Temporary Lecturer), appointed Consultant, Institute for Numerical Analysis, Los Angeles.

P. Heymans, B.A. (Demonstrator), to Lectureship, University College of the Gold Coast, Achimota.

PHYSICS

APPOINTMENTS

G. Stephenson, PH.D. (Honorary Research Associate), formerly I.C.I. Research Fellow, Imperial College, London.

A. W. Tickner, M.SC., PH.D. (Honorary Research Associate), formerly Research Fellow, National Research Council, Canada.

D. W. O. Heddle, B.SC. (Experimental Research Assistant), formerly Research Student, University of Reading.

RESIGNATION

A. W. Tickner, M.SC., PH.D. (Honorary Research Associate), returned to Canada.

PSYCHOLOGY

APPOINTMENTS

P. H. R. James, B.A. (Lecturer), formerly Research Student at the University of Cambridge.

Jessie M. Williams, M.A. (Part-time Lecturer), formerly Research Student of the College.

RESIGNATION

Jessie M. Williams, M.A. (Part-time Lecturer).

STATISTICS

APPOINTMENTS

P. G. Moore, B.SC. (Assistant Lecturer), formerly Student of the College.

D. E. Barton, B.SC. (Temporary Demonstrator and Research Assistant), formerly Student of the College.

ZOOLOGY

APPOINTMENTS

P. B. Medawar, M.A., D.SC., F.R.S. (Jodrell Professor), formerly Mason Professor of Zoology, University of Birmingham.

R. E. Billingham, M.A., D.PHIL. (Honorary Research Assistant), from Lectureship, University of Birmingham.

A. Comfort, M.A., M.B., B.CH., PH.D., M.R.C.S., L.R.C.P. (Honorary Research Assistant), formerly Research Assistant, London Hospital Medical College.

H. Fox, PH.D. (Honorary Research Assistant), formerly Research Student of the College.

RESIGNATION

G. Hoyle, B.SC. (Assistant Lecturer), to Lectureship, University of Glasgow.

FACULTY OF ENGINEERING

CHEMICAL ENGINEERING

APPOINTMENTS

H. W. Thorp, B.SC. (Part-time Lecturer).

W. S. Norman, M.SC., PH.D. (Lecturer), from Lectureship, University of Birmingham.

RESIGNATIONS

P. H. Calderbank, PH.D., A.M.I.CHEM.E. (Lecturer), appointed Assistant Professor, University of Toronto.

F. A. Freeth, O.B.E., D.SC., F.R.S. (Honorary Lecturer).

CIVIL AND MUNICIPAL ENGINEERING

RESIGNATIONS

R. C. Vaughan, B.SC., A.M.I.C.E., M.I.STRUCT.E. (Senior Lecturer), appointed Professor of Civil Engineering, University of Hong Kong.

E. H. Davis, D.SC.(ENG.), A.M.I.C.E. (Lecturer), to Lectureship, University of Sydney.

T. Brian Smith, A.M.I.MECH.E. (Part-time Lecturer).

C. Dudarewicz, DIPL.ING., A.R.I.C.S. (Honorary Research Assistant), returned to Canada.

ELECTRICAL ENGINEERING

APPOINTMENT

H. G. Effemey, A.I.E.E. (Assistant), formerly Supervisory Technician.

MECHANICAL ENGINEERING

APPOINTMENT

T. H. Lambert, B.SC.(ENG.) (Lecturer), from Messrs D. Napier & Son Limited, Manufacturers of Aero Engines.

RESIGNATION

J. G. Ross, B.SC.(ENG.), D.I.C., A.M.I.MECH.E., A.F.R.AE.S. (Lecturer), to industry.

ANATOMY AND EMBRYOLOGY

APPOINTMENTS

A. F. Wallace, M.B., B.S. (Assistant Lecturer), from University College Hospital.
Joyce E. G. Santler, B.SC. (Honorary Research Assistant), formerly Demonstrator, Department of Zoology, Queen Mary College, London.
C. J. Stratmann, M.SC., PH.D. (Honorary Research Assistant), formerly Australian National University Scholar at Department of Colloid Science, Cambridge.

RESIGNATIONS

G. Causey, M.B., CH.B., F.R.C.S., L.R.C.P. (Lecturer), appointed Professor of Anatomy, Royal College of Surgeons, London.
M. Ruth Bellairs, PH.D. (Assistant Lecturer), to Assistant Lectureship, University of Cambridge.
G. D. H. Shawe, M.B., B.S. (Assistant Lecturer), to Royal National Orthopaedic Hospital, London.
A. F. Wallace, M.B., B.S. (Assistant Lecturer), to Military Service.
B. B. Boycott, B.SC. (Honorary Research Assistant), to Lectureship, Department of Zoology, University College London.
A. D. Vizoso, B.SC. (Honorary Research Assistant), appointed Research Assistant, Department of Zoology, University of Oxford.

BIOCHEMISTRY

APPOINTMENTS

C. W. Parr, M.SC. (Assistant Lecturer), formerly Research Student of the College.
R. D. Bulbrook, B.SC. (Bayliss-Starling Scholar and Assistant), formerly Student, King's College, London.
Iris Ainsworth, B.SC. (Honorary Research Assistant), formerly Research Student of the College.
Chloe Klatzkin, PH.D. (Honorary Research Assistant), formerly Research Student, School of Pharmacy, London.

RESIGNATIONS

F. L. Warren, M.A., PH.D., D.SC., F.R.I.C. (Reader), appointed Professor of Biochemistry, London Hospital Medical College.
Iris Ainsworth, M.SC. (Honorary Research Assistant), to the London Hospital Medical College.
Chloe Klatzkin, PH.D. (Honorary Research Assistant), to the University of Leeds.

BIOPHYSICS

APPOINTMENTS

P. Fatt, PH.D. (Assistant Lecturer), formerly Research Student of the College.
Pamela A. Wills, B.SC. (Honorary Research Assistant), from Burroughs Wellcome, London.

RESIGNATIONS

P. Fatt, PH.D. (Assistant Lecturer), to Lectureship in Physiology, Australian National University, Canberra.
Pamela A. Wills, B.SC. (Honorary Research Assistant), returned to Australia.

PHARMACOLOGY

APPOINTMENT

W. D. M. Paton, M.A., B.M., B.CH. (Reader), formerly Member, Scientific Staff, Medical Research Council, working in Division of Physiology and Pharmacology at National Institute for Medical Research.

PHYSIOLOGY

APPOINTMENTS

W. E. Brocklehurst, B.SC. (Sharpey Scholar), formerly Student of the College.

C. J. Lambertsen, B.S., M.D. (Honorary Research Associate), from University of Pennsylvania.

Margaret L. R. Harkness, B.SC. (Honorary Research Assistant), formerly Research Student of the College.

Xenia Machne, M.D. (Honorary Research Assistant), from the University of Bologna.

H. McLennan, PH.D. (Honorary Research Assistant), from McGill University, Montreal.

A. R. Ness, B.SC., L.D.S.R.C.S. (Honorary Research Assistant), formerly Research Student of the College.

S. M. Shea, M.SC., M.B., B.CH., B.A.O. (Honorary Research Assistant), formerly Student, National University of Ireland.

G. Ström, M.D. (Honorary Research Assistant), from the University of Lund.

RESIGNATIONS

J. M. Ritchie, B.SC. (Assistant Lecturer), to National Institute for Medical Research, Mill Hill.

C. J. Lambertsen, B.S., M.D. (Honorary Research Associate), returned to Pennsylvania.

G. Ström, M.D. (Honorary Research Assistant), returned to Lund.

APPENDIX VII

SPECIAL LECTURES

A.—PUBLIC LECTURES

ENDOWED LECTURES

COMMONWEALTH FUND LECTURES

Professor Edward C. Kirkland, Bowdoin College	American Transportation: Business and Policy, 1790–1920 (eight lectures)

HOBHOUSE MEMORIAL LECTURE

Professor Sir Cyril Burt, Emeritus Professor of Psychology in the University of London	Contributions of Psychology to Social Problems

LORD NORTHCLIFFE LECTURES IN LITERATURE

Hon. Harold Nicolson	The French Parnassians and their Influence on the Aesthetic Movement (five lectures)

SETON MEMORIAL LECTURE

Mr W. A. Pantin, Fellow of Oriel College, and Keeper of the University Archives, Oxford	John of Wales and Mediaeval Humanism

SHEARMAN MEMORIAL LECTURES

Professor L. E. J. Brouwer, formerly of the University of Amsterdam	Outline of Intuitionism (four lectures)

INAUGURAL LECTURES

Professor C. W. Allen, Perren Professor of Astronomy	The Framework of Astronomy
Professor W. B. Emery, Edwards Professor of Egyptology	Saqqara and the Dynastic Race
Professor Bernhard Katz, Professor of Biophysics	Different Forms of Signalling Employed by the Nervous System
Professor P. B. Medawar, Jodrell Professor of Zoology and Comparative Anatomy	Some Unsolved Problems of Biology
Professor A. D. Momigliano, Professor of Ancient History	George Grote and the Study of Greek History
Professor O. Skutsch, Professor of Latin	The Annals of Quintus Ennius
Professor James R. Sutherland, Lord Northcliffe Professor of Modern English Literature	The English Critic
Professor E. H. Thompson, Professor of Surveying and Photogrammetry	Some Aspects of the Development of Photogrammetric Plotting Machinery

LUNCH-HOUR LECTURES

Mr A. J. Arkell	The Beginning of Civilization in Egypt The Early Dynasties of Ancient Egypt
Mr P. R. Bell	A Botanist in the Andes
Mr A. Brown	'Serpent of Old Nile': Cleopatra in English Literature
Mr R. Browning	Antioch in the Age of Libanius and John Chrysostom
Mr I. R. Christie	George III—Man and King
Mr R. H. C. Davis	Masons' Marks and the Building of Mediaeval Churches
Miss Cecily de Monchaux	Experimental Studies of Group Behaviour
Miss Audrey G. Donnithorne	Western Commercial Enterprise in the Far East
Professor Daryll Forde	Strange Families

Mr A. M. Foyle	Building in Nigeria
Professor J. B. S. Haldane	Inborn Differences between Human Beings
Dr N. H. de V. Heathcote	Early Experiments on the Conduction of Electricity
Mr S. Hyde	The Interior of an Eighteenth Century House
Mr H. T. Jessop	Photoelasticity and Engineering Design
Professor Kathleen Lonsdale	Patterns
Mr D. R. Newth	Lamarck and Neo-Lamarckism
Mr W. P. Packard	Himalayan Landscapes and Life
Mr J. H. P. Pafford	The Ballads
Mr J. T. Pring	Turkish Greece
Professor G. J. Renier	Psychology and the History of the Bonapartes
Professor C. M. Robertson	A Greek City
Dr H. O. Schild	What is Pharmacology?
Mr A. E. Smailes	The Geographical Study of Towns
Mr T. J. B. Spencer	Shakespeare and Greece
Dr Helen Spurway	Cybernetics and Animal Communication
Dr S. Stein	Social Justice in Prophetic Literature
Mr A. J. Taylor	Coal in Wartime: 1914–18 and 1939–45
Dr D. P. Walker	Orpheus in the Renaissance
Professor T. B. L. Webster	Chorus and Actors in Greek Tragedy
Professor R. Weiss	Some Aspects of Italian Renaissance Learning
Dr M. K. Wells	Exploring the Roots of Extinct Volcanoes
Professor R. Wittkower	How to look at Sculpture

SPECIAL UNIVERSITY LECTURES

The Rt Hon. Lord Campion	Parliamentary Government in the Dominions
Professor D. O. Hebb, McGill University	The Development of Perception and Thought (three lectures)
Professor Robert Heine-Geldern, Institut für Völkerkunde, Vienna	Trans-Pacific Cultural Relations between the Old World and America in Pre-Columbian Times (three lectures)
Dr Erik Jacobsen, University of Copenhagen	The Metabolism of Ethyl Alcohol
Professor Jørgen Jørgensen, University of Copenhagen	Life and Philosophy of Sören Kierkegaard (three lectures)
Professor L. Keimer, Fouad I University, Cairo	Les animaux et les plantes de l'Egypte antique—recherches nouvelles (three lectures)
M. Jean Maunoury, Architect of the Historical, Civil and Public Buildings for the Department of Eure-et-Loir, France	The Cathedral of Chartres: I. Its Importance in the Art of the Middle Ages; II. Its Construction and its Evolution; III. Its Decoration in Stone and Glass (three lectures)

Mrs C. Payne-Gaposchkin, Harvard College Observatory	Variable Stars and Galactic Structure (three lectures)
Professor B. Peyer, University of Zürich	Johann Jacob Scheuchzer and the Royal Society
	Conrad Gesner and his Time
Judge J. E. Read, International Court of Justice, The Hague	The International Joint Commission
Professor H. B. van Dyke, Columbia University	Antidiuretic Effects of Blood and Urine in relation to Neurohypophysial Secretion

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

ANATOMY AND EMBRYOLOGY

Professor W. Bargmann, Kiel University	The Hypothalamus and the Neuro-Hypophysis
Dr R. Lorente de Nó, Rockefeller Institute for Medical Research, New York	Relations of the Epineurium to Electrotonic Potentials

ARCHAEOLOGY

Professor Paolo Enrico Arias, University of Bologna	Relazioni fra l'arte etrusca e l'arte greca

BIOCHEMISTRY

Professor John T. Edsall, Harvard Medical School	Chemical Structure, Interaction and Fractionation of Proteins (five lectures)
Professor A. L. Lehninger, University of Chicago	Mitochondria and Biological Oxidations and Phosphorylations (four lectures)

ELECTRICAL ENGINEERING

Mr G. Millington, Marconi's Wireless Telegraph Co.	Radio Wave Propagation (four lectures)

GREEK

Professor Henrik Zilliacus, University of Helsinki	The Use of 'Royal We' in Greek down to the Byzantine Age

HISTORY

Dr A. Cobban	The French Political Tradition
Mr R. H. C. Davis	The Monks of Bury St Edmund in the Eleventh and Twelfth Centuries
Miss Margaret S. Drower	Sculpture as a Source for the History of the Ancient Near East
Mr T. F. Reddaway	Transport in Nineteenth Century London
Professor G. J. Renier	Louis Bonaparte, King of Holland
Mr A. J. Taylor	Victorian Coal Problems

LAWS

The Rt Hon. Lord Normand	Characteristics of Scots Law (two lectures)

CURRENT LEGAL PROBLEMS

Dr B. Cheng	The International Law Commission
Mr R. C. FitzGerald	The Law and Ethics of Compulsory Acquisition of Land
Mr L. C. Green	Legal Aspects of the Schuman Plan
Mr D. C. Holland	High Court Control of Inferior Tribunals
Mr E. R. H. Ivamy	Hire Purchase and the Law
Professor G. W. Keeton	The Director as a Trustee
Mr D. Lloyd	Reform of the Law of Libel
Dr O. R. Marshall	Hospitals and the National Health Service Act
Mr D. J. Payne	The 'Direct' Consequences of a Negligent Act
Mr R. Powell	Roman Contributions to the Reform of English Law
Mr R. O'Sullivan	Officialdom and Infancy
Mr E. H. Scamell	Nationalization in Legal Perspective
Dr G. Schwarzenberger	The Protection of British Property Abroad
Professor Glanville L. Williams	The Law of Abortion

PHARMACOLOGY

Dr F. Bergel	Some Recent British Contributions in the Field of Pharmaco-Therapeutics (two lectures)
Professor J. F. Danielli	Cell Physiology and Pharmacology (two lectures)
Dr W. S. Feldberg	Anticholinesterases
	Acetylcholine and the Central Nervous System

PSYCHOLOGY

Professor R. B. Cattell, University of Illinois	Some Recent Quantitative Research on Personality and the Culture Pattern

B.—IMPORTANT LECTURES (NOT OPEN TO THE PUBLIC) ARRANGED BY COLLEGE DEPARTMENTS AND GIVEN BY VISITING LECTURERS

ARCHITECTURE

Mr J. H. Charlton	The Repair and Display of Ancient Buildings (two lectures)
Mr F. L. Felgate	Dangerous Structures (three lectures)
Mr R. P. Howgrave-Graham	The Decoration of Mediaeval Buildings (three lectures)

Mr J. E. M. Macgregor	The Repair of Historical Buildings (two lectures)
Canon C. B. Mortlock	The Liturgical Planning and Arrangement of Churches (three lectures)
Mr S. A. Richardson	The Decay of Building Timber
Mr E. Clive Rouse	Mediaeval Wall Painting
Mr H. Woodman	Textiles (three lectures)

BIOCHEMISTRY

Professor G. A. D. Haslewood, Guy's Hospital Medical School	Comparative Biochemistry of Steroids (two lectures)
Dr L. Short, Australian National University	Infra-red Spectroscopy (two lectures)
Dr H. Wood, Australian National University	Alkaloids (two lectures)

FINE ART

Mr John Betjeman	Victorian Architecture
Professor A. Blunt	Bosch and Breughel
Sir Kenneth Clark	Turner
Mr Tyrone Guthrie	Designing for the Theatre
Mr S. W. Hayter	New Ways of Gravure
Mr H. D. Molesworth	Photographing Sculpture
Mr John Summerson	Recent Architecture in England
Mr David Sylvester	Giacometti
Mr Basil Taylor	The New Picturesque
Mr John White	Donatello

GEOGRAPHY

Professor G. B. Cressey, University of Syracuse, President, International Geographical Union	The U.S.S.R.
Professor G. Pfeifer, University of Heidelberg	Recent Developments in Economic Geography in Germany

GERMAN

Professor Herman Meyer, University of Amsterdam	Wilhelm Raabe

LAWS

Professor W. Abendroth, University of Hamburg	International Law

LIBRARIANSHIP

A series of seven lectures on the Mediaeval English Library, given at the Senate House:

Mr R. Irwin	The Classical Foundation
Professor F. Wormald, King's College London	The Monastic and Cathedral Library and Scriptorium
Professor M. D. Knowles, University of Cambridge	The Preservation of the Ancient Classics, and the Creation of New Ones

Dr C. H. Talbot, Warburg Institute	The Universities and the Coming of the Friars, and their Effect on Libraries and Book Production
Professor R. Weiss	The Private Collector: the Revival of Greek Learning
Mr G. S. Ivy	The Bibliography of the Manuscript Book
Mr C. E. Wright, British Museum	The Dispersal of the Libraries in the Sixteenth Century

MATHEMATICS

Dr K. Mahler, University of Manchester	Transcendental Numbers
Professor L. J. Mordell, University of Cambridge	Cubic Equations in Three Variables with an Infinity of Integer Solutions
Professor C. L. Siegel, Universities of Princeton and Göttingen	Indefinite Quadratic Forms

PHONETICS

Dr Kenneth L. Pike, University of Michigan	Phonetic and Phonemic Analysis

PSYCHOLOGY

Professor R. B. Cattell, University of Illinois	Two seminar courses for staff and students of the Depts of Psychology at University College, Bedford College, Birkbeck College, the London School of Economics and the Institute of Psychiatry
	Researches in Personality and Psychodynamics; Recent Developments in Social Psychology and Group Dynamics

STATISTICS

Professor Sir Cyril Burt	Factor Analysis (eight lectures)

TOWN PLANNING

Mr A. E. S. Alcock	Planning Problems of the Gold Coast
Mr J. H. O. Bunge	The Thames Barrage

C.—IMPORTANT LECTURES GIVEN OUTSIDE THE COLLEGE BY MEMBERS OF THE ACADEMIC STAFF

ANATOMY AND EMBRYOLOGY

Professor J. Z. Young	Visited America and took part in the Macy Foundation Symposium on the Nerve Impulse and the Ninth Conference on Cybernetics, also lecturing in various universities.

Mr D. A. Sholl	Visited the U.S.A. at the invitation of the Committee on Developmental Biology of the National Research Council, and read a paper on Regularities of Growth Curves at the Eleventh Growth Symposium.
ANTHROPOLOGY	
Dr Phyllis M. Kaberry	Introduction to Social Anthropology. Eight lectures at Institute of Education (Colonial Department), University of London.
ARCHITECTURE	
Professor H. O. Corfiato	Reflections on French Historical Architecture. Lecture at Rugby School.
BIOCHEMISTRY	
Professor E. H. F. Baldwin	The Evolution of Excretory Function. Lecture to Renal Association, London.
	The Evolution of Biochemical Mechanisms. Symposium for Society for Experimental Biology and Genetical Society, Oxford.
Dr E. M. Crook and Dr F. L. Warren	Four groups of five lectures on Biochemistry at Chelsea Polytechnic (Chemistry Department).
Dr H. Harris	Course of six lectures on Human Biochemical Genetics at Chelsea Polytechnic (Chemistry Department).
BIOPHYSICS	
Professor B. Katz and Dr P. Fatt	The Electric Activity at the Motor Endplate. Royal Society Discussion Meeting, London.
	Some Problems of Neuro-Muscular Transmission. Cold Spring Harbor Symposium, Long Island, New York.
BOTANY	
Dr J. Heslop Harrison	The Changing Flora of Britain; North American and Lusitanian elements in the Flora of the British Isles. Addresses to the Botanical Society of the British Isles.

CHEMISTRY

Professor C. K. Ingold	L'acide nitreux en chimie organique; L'ion nitronium. Lectures at universities in France. Nitration and Nitrating Agents; Nitrous Acid in Organic Chemistry. Lectures at universities in Sweden.
	Mechanism of Diazotisation. Lecture at universities in Switzerland.
	Excited Acetylene; Aromatic Nitration; Mechanism of Diazotisation; Quantitative Development of the Idea of Steric Hundarance; Substitution at Octahedral Atoms; Science in British Universities since the war. Lectures at universities in Canada, New Zealand, Australia, and Malaya.
Professor Kathleen Lonsdale	Developments in Modern Crystallography. Lecture at Harvard Medical School, Boston.
	Ice. Lecture at Brooklyn Polytechnic Institute, New York, Massachussetts Institute of Technology, Cambridge, and Bell Telephone Company Research Laboratory, New Jersey.
Dr A. Wassermann	Actomyosin. Lecture at Gordon Research Conference, New Hampshire.
	Influence of Ion Exchange on Physical Properties of Gels. Lecture at American Chemical Society Jubilee Meeting, New York.
	Deeply coloured Polymers from colourless Monomers. Lecture at XII International Congress of Chemistry, New York, University of Zürich, and the University College of North Staffordshire.

CIVIL AND MUNICIPAL ENGINEERING

Mr H. T. Jessop	Photoelasticity. Lecture to the Scottish Branch of the Institute of Physics at Glasgow and Edinburgh.
	The Use of Photoelasticity in Engineering Design. Lecture to the English Steel Corporation, Sheffield.
	Application of Photoelastic Methods to the Investigation of Aircraft Components. Lecture and Demonstration to Structures Committee of the Royal Aeronautical Society.

EGYPTOLOGY

Professor W. B. Emery	The Archaic Period of Egypt. Two lectures at the Institute of Archaeology.
	First Dynasty Tombs at Saqqara. Lecture to the Hastings Egyptian Society.

ELECTRICAL ENGINEERING

Professor H. E. M. Barlow	Surface Waves. Lecture at Cavendish Laboratory, Cambridge.
	Fleming Memorial Lecture, Television Society. Guided Waves. Two lectures at Faraday House.
Mr B. C. Brookes	The Teaching of Statistics. Lecture to London Branch of Mathematical Association at Regent Street Polytechnic.
Dr A. L. Cullen	Some Fundamental Principles underlying the Measurement of Small Radio-frequency Power. Lecture at Cavendish Laboratory, Cambridge.
	Microwave Measurement Techniques. Lecture at Northampton Polytechnic.

ENGLISH LANGUAGE AND LITERATURE

Dr C. R. Quirk	Recent Theories concerning the Interpretation of Old English Spellings; Glossing a Mediaeval English Text. Lectures at the University of Michigan Linguistic Summer Session, Ann Arbor.

EUGENICS, BIOMETRY, AND GENETICS

Professor J. B. S. Haldane	Thirty lectures at various centres in India.
	A course on biological statistics in the Presidency College, Calcutta.
	An address to the Indian Science Congress.
Dr Helen Spurway	Seven lectures at various centres in India.
Dr H. Harris	A course of six postgraduate lectures on Human Biochemical Genetics at the Chelsea Polytechnic.

Members of the Department took part in a symposium of Human Biochemical Genetics arranged by the British Association in Belfast.

FINE ART

Professor R. Wittkower	Proportion in the Art of the Middle Ages and Renaissance. Lecture at Milan as President of the International Congress on Proportion in the Arts.

FRENCH

Dr D. P. Walker	Orpheus and the Renaissance. Lecture at the Warburg Institute.

GERMAN

Dr Elizabeth M. Wilkinson	Goethes Formbegriff; The Discipline of Literary Criticism; The Interpretation of English and German Poetry. Lectures at the Universities of Mainz, Freiburg, and Tübingen.

GREEK

Professor T. B. L. Webster	Art and Literature in Aristotle's Athens; Costume of Greek Comedy: a reassessment; Personifications in Early Greece. Lectures at the University of Göteborg.

HEBREW

Dr S. Stein	Jewish Tradition. Opening Lecture at the London Jewish Cultural Centre.
Dr E. J. Heller	The Idea of God in present-day Philosophy. Lecture to the Society for Jewish Studies.

HISTORY

Professor A. D. Momigliano	From Impiety to Heresy. Lecture at the Warburg Institute.
Mr T. F. Reddaway	Tudor and Stuart London. Lecture at Bedford College.

HISTORY AND PHILOSOPHY OF SCIENCE

Professor H. Dingle	Philosophy and Science. Two lectures at the Royal Institute of Philosophy and one lecture to the British Postgraduate Medical Federation.
Dr D. McKie	James Clerk Maxwell. Lecture at the National Portrait Gallery.
Dr A. C. Crombie	Evolution. Lecture at University College, Aberystwyth.

Four members of the staff gave a course of eight lectures on the History and Philosophy of Science at the Imperial College of Science and Technology, as part of an experimental scheme for enlarging the scope of interest of engineering students.

ITALIAN

Professor R. Weiss	The Study of Greek in the Middle Ages. Three lectures at the Scuola Normale Superiore, Pisa.
	The Greek Culture of South Italy at the end of the Middle Ages. Lecture at the Istituto di Studi del Rinascimento, Florence, and at the University of Naples.
	The Early Stages of Italian Humanism. Lecture at the University of Paris.

LAWS

Professor G. W. Keeton	Delegated Legislation. Lecture at the University of the Witwatersrand.
Dr G. Schwarzenberger	International Law and Relations. Lectures at the University of Ghent.
	International Law and the Protection of Private Property Abroad. Lecture at the Belgian Institute of International Relations, Brussels.
	Recent Developments in International Maritime Law. Lecture at Naval Staff College, Greenwich.

MATHEMATICS

Professor H. Davenport	Diophanpine Approximation. Lecture at the Fourth British Mathematical Colloquium, Royal Naval College, Greenwich.

PHARMACOLOGY

Professor F. R. Winton	The Harvey Lecture on 'Hydrostatic pressures affecting the flow of urine and blood in the kidney', in New York.
	Also took part in the Macy Foundation Conference on Renal Function, in New York, and gave lectures at the Mayo Clinic and a number of other Medical Schools.

PHILOSOPHY

Professor A. J. Ayer	Individuals. Lecture given at the Universities of Bologna and Brussels.
	Contemporary British Philosophy. Lecture given at the University of Rome.
	Truth. Lecture given at the University of Milan.

PHYSICS

Professor H. S. W. Massey	Pollock Memorial Lecture, 'Post-war Physics', at University of Sydney.
Dr G. B. Brown	Definition of the word 'Fact'. Address at the Annual General Meeting of the Royal Institute of Philosophy.
Dr R. L. F. Boyd	Positive Ions in Gas Discharges. Lecture at the Meeting of the British Association in Belfast.

POLITICAL ECONOMY

Professor G. C. Allen	Monopoly. Lecture at the Administrative Staff College, Henley-on-Thames.

PSYCHOLOGY

Professor R. W. Russell

Behaviour under Stress. Two lectures at the University of St Andrews.
Certain Rôles of Animal Research in Experimental Psychopathology. Lecture at the Mental Health Research Fund Conference, Oxford.
Behavioural Reactions to Stress; Psychological Field Studies among Indians of the American Southwest. Lectures at Queen's University, Belfast.
Lecture courses at the University of Southern California.

TOWN PLANNING

Professor W. G. Holford

The Health of Cities. Bossom Gift Lecture, Chadwick Trust.
Building in the Countryside. Lecture at Wye College.
Geographers and Planning. Lecture to Geographical Association.

APPENDIX VIII

NUMBERS OF STUDENTS, SESSION 1951–52

	Men	*Women*	*Total*
Faculty of Arts:			
(*a*) General	317 (71)	421 (195)	738 (266)
(*b*) Department of Political Economy	87 (—)	20 (—)	107 (—)
(*c*) Slade School of Fine Art ..	145 (25)	100 (16)	245 (41)
(*d*) Bartlett School of Architecture	232 (62)	48 (15)	280 (77)
*(*e*) School of Librarianship and Archives	6 (6)	16 (16)	22 (22)
Faculty of Science	531 (56)	107 (10)	638 (66)
Faculty of Medical Sciences ..	176 (38)	36 (3)	212 (41)
Faculty of Engineering	209 (4)	1 (—)	210 (4)
Faculty of Laws	186 (12)	51 (6)	237 (18)
Postgraduate and Research ..	599 (203)	130 (37)	729 (240)
	2,488 (477)	930 (298)	3,418 (775)

* *Students reading for the University Diploma in Librarianship and in Archive Administration are included in the Postgraduate figures.*

The figures in brackets indicate the number of part-time students which are included in the total under each head.

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM			
London	407	119	526
Home Counties (30-mile radius) ..	1,043	236	1,279
Remainder of United Kingdom ..	923	145	1,068
BRITISH COMMONWEALTH OF NATIONS			
Australia	18	12	30
British Guiana	6	—	6
British Honduras	1	—	1
British West Africa	—	1	1
British West Indies	16	4	20
Canada	6	17	23
Ceylon	3	4	7
Cyprus	7	—	7
Gold Coast	4	2	6
Hong-Kong	5	—	5
India	29	38	67
Kenya	12	—	12
Malaya	7	2	9
Malta	—	1	1
Mauritius	1	1	2
Nigeria	11	4	15
Northern Rhodesia	—	1	1
New Zealand	3	3	6
Pakistan	7	12	19
Singapore	7	—	7
South Africa	15	14	29
Sudan	—	1	1
Tanganyika	1	—	1
OTHER PARTS OF THE WORLD			
Argentina	—	1	1
Austria	2	1	3
Belgium	3	1	4
Burma	3	3	6
China	2	3	5
Chile	1	—	1
Colombia	1	—	1
Carried forward	2,544	626	3,170

	Under-graduates	*Post-graduates*	*Totals*
Brought forward	2,544	626	3,170
Egypt	12	34	46
Eire	3	5	8
Ethiopia	5	—	5
Finland	2	—	2
France	31	5	36
Germany	16	3	19
Greece	8	2	10
Holland	3	—	3
Iceland	1	—	1
Indo-China	2	—	2
Indonesia	1	1	2
Iran	4	5	9
Iraq	—	5	5
Israel	7	6	13
Italy	4	3	7
Japan	—	1	1
Jordan	1	—	1
Lebanon	3	1	4
Norway	6	3	9
Peru	1	—	1
Philippines	1	—	1
Portugal	1	1	2
Siam	1	1	2
Spain	1	1	2
Sweden	3	—	3
Switzerland	8	1	9
Turkey	3	2	5
United States of America	16	23	39
Yugo-Slavia	1	—	1
Totals	2,689	729	3,418

SUMMARY

United Kingdom	2,873
British Commonwealth of Nations ..	276
Other Parts of the World	269
	3,418

APPENDIX X

UNIVERSITY HONOURS

HIGHER DEGREES

FACULTY OF ARTS

D.Lit. *History:* W. N. Medlicott. [1]

Ph.D. *Anthropology:* J. J. P. Maquet, M. G. Smith. *English:* R. A. Gillanders (and Royal Holloway College). *French:* F. W. A. George, T. Jones, E. J. Parker. *German:* P. P. Schuil. *History:* Elsa V. Goveia, J. R. Kellett, J. P. C. Kent, J. P. McLaughlin. *Philosophy:* R. R. Brown. *Psychology:* N. C. Bradley, J. E. Callagan, Cecily J. de Monchaux, M. A. Makhdum, A. W. Meadows, P. L. Newbigging. [18]

M.A. *Anthropology:* P. G. J. Simmins. *Architecture:* M. F. M. Abdel-Halim. *English:* Joan R. Brewster, S. S. Hussey (Mark of Distinction), O. C. Watkins. *Geography:* E. G. Fogwill, A. F. M. M. Weheba. *German:* A. V. Subiotto. *History:* J. P. McManus. *Philosophy:* Akhtar Imam. *Psychology:* Diana V. Scott, Louise Sofer. [12]

FACULTY OF ECONOMICS

M.Sc. R. Cirillo, S. S. N. El-Din, T. G. V. Naidu. [3]

FACULTY OF LAWS

LL.M. C. D. Duke-Cohan, J. A. Franks, Valentine Latham (Mark of Distinction), N. Singh. [4]

FACULTY OF SCIENCE

D.Sc. *Mathematics:* D. R. Bates, C. A. Rogers. *Statistics:* Florence N. David. *Zoology:* D. S. Kettle. [4]

Ph.D. *Biochemistry:* A. J. Anderson, Kathleen A. O'D. Law, Patricia McLean, C. W. Parr, June V. Revai, K. R. Rees. *Botany:* D. J. Boatman, E. C. T. Holsinger, P. R. Marler, M. M. Salah, D. J. B. White. *Chemical Engineering:* D. L. Nicol. *Chemistry:* Eileen L. Blackall, D. D. Brown, S. M. Budd, H. Cohn, A. A. H. A. Kabesh, G. W. King, L. E. Lyons, S. S. Muhammad, G. Narayan, D. G. Norton, A. D. E. Pullin, J. B. Rose, S. Wasef. *Crystallography:* M. A. M. H. Lasheen. *Geology:* S. E. M. Al-Ansary, G. Mueller. *History and Philosophy of Science:* H. C. King. *Mathematics:* S. J. Hubbard, B. L. Moiseiwitsch, M. J. Seaton. *Physics:* G. R. Burbidge, G. C. Curtis, Sylvia M. Gumbrell (and Royal Institution of Great Britain), G. R. Heyland, W. N. Reynolds, G. P. Rundle. *Physiology:* J. Bligh, J. M. Ritchie (and National Institute for Medical Research). *Psychology:* L. C. T. Jones, El S. M. K. M. Moursi, J. S. Small. *Statistics:* R. S. Krooth. *Zoology:* Edna B. Carr, M. A. Elwood, H. Fox, D. R. Newth, T. E. Reed, A. G. Searle, Mary Whitear. [51]

M.Sc. *Biochemistry:* R. D. Bulbrook, H. B. Clarke, F. C. Greenwood, P. H. Jellinek (and Middlesex Hospital Medical School), D. H. Leaback, B. R. Rabin, L. Rathbone, P. A. T. Swoboda, Diana Wedlake. *Chemistry:* G. J. Janz, Catherine G. Le Fevre. *Crystallography:* R. Bradshaw. *Geography:* A. J. Mansfield, Winifred M. Moisley. *History and Philosophy of Science:* O. E. Potter, A. H. Self, M. Taslimi. *Mathematics:* D. Elliott (Mark of Distinction). *Microbiology:* Heather M. Thurgur. *Psychology:* N. M. E. S. Ahmed, June St H. Carlile. *Statistics:* J. Draper, D. G. C. Gronow, N. A. Huttly, E. Short, W. B. Taylor. [26]

FACULTY OF MEDICINE

Ph.D. *Anatomy:* N. L. Mitra. *Physiology:* D. Chungcharoen. [2]

FACULTY OF ENGINEERING

Ph.D. R. R. T. Fatehchand, R. Jackson. [2]

M.Sc. Z. B. Abdalla, G. R. Davies, N. M. Rafat, B. Rudzinski. [4]

UNIVERSITY STUDENTSHIPS

Anthropology: J. P. Garlick. *Architecture:* G. C. Power (Carpenters' Company's Scholarship). *Classics:* P. Walcot (Arthur Platt Studentship). *English:* June Derrick. *Fine Art:* Rosemary L. M. Young. *French:* D. H. Watson (Studentship under the French Exchange Scheme). *Geography:* D. J. Fox, D. M. Ricks. *Germanic Languages* (*German*)*:* Ursula H. M. Scharf. *History:* J. T. Murley. *Laws:* F. A. Ajayi.

UNIVERSITY POSTGRADUATE STUDENTSHIPS

Anatomy: R. W. Guillery. *Biochemistry:* D. H. Leaback, L. Rathbone. *Chemistry:* G. J. Buist, G. J. Bullen, J. S. Burgess, P. C. Hobbins. *Engineering:* K. E. Robinson. *English:* Evelyn M. Baker (Renewal), E. J. Killham, Joan R. Sargent, Margaret L. Woodhead. *French:* Renée L. Curtis (Renewal), L. C. Loveday (Renewal), I. M. P. Raeside, Norma S. Rinsler. *German:* C. A. H. Russ. *Hebrew:* S. Greenbaum. *History:* H. Blakemore, P. H. E. Kerridge. *Physics:* M. L. G. Redhead (Renewal). *Physiology:* J. G. Nicolls. *Statistics:* T. I. McGloughlin.

PRIZE

German: Ursula H. M. Scharf (Robert Priebsch Memorial Prize—Moiety).

APPENDIX XI

COLLEGE AWARDS TO STUDENTS

I. ENTRANCE SCHOLARSHIPS

ANDREWS SCHOLARSHIPS.—*Arts:* Eva M. Linton (3rd Year); K. F. Peacock (2nd Year); Kathleen Brown, Wintringham Grammar School, Grimsby (1st Year). *Classics:* L. Brandwood (3rd Year); M. Elsom (2nd Year);

J. Collinge, Rochdale Municipal High School (1st Year). *Science:* J. C. Maynard (3rd Year); A. M. Hiron (2nd Year); A. P. Anderson, Sheffield City Grammar School (1st Year).

BARTLETT EXHIBITIONS IN ARCHITECTURE.—I. W. Jones (5th Year); R. Topham (5th Year); T. F. Weston (5th Year); D. P. Bell (moiety) (4th Year); G. T. West (4th Year); J. A. Browning, Beckenham Grammar School for Boys (1st Year); J. R. G. Thomas, Whitgift School, Croydon (1st Year).

BUCKNILL MEDICAL SCHOLARSHIP.—T. R. Boyde (3rd Year); M. T. Morgan (2nd Year); R. M. Pigache, William Ellis School (1st Year).

CAMPBELL CLARKE SCHOLARSHIP IN ENGLISH.—Beryl J. Whitehorn (3rd Year).

EPSOM MEDICAL SCHOLARSHIP.—P. S. Welch (3rd Year); I. A. Hunter (2nd Year); D. W. Kay (1st Year).

GOLDSMID SCHOLARSHIPS.—*Science:* D. C. Beard (3rd Year); P. F. Smith, Ealing County Boys' School (1st Year). *Engineering:* E. G. Ellison (3rd Year); T. J. Norris (2nd Year); C. R. Cratchley, Alleyne's Grammar School, Stone (1st Year).

HUME-LLOYD SCHOLARSHIP IN POLITICAL ECONOMY.—K. Gay (3rd Year); K. J. Munro (3rd Year); Elaine R. A. Kelly (2nd Year); D. C. Bennett, Brockley County Grammar School (1st Year).

LAWS SCHOLARSHIP.—G. L. Hochfeld, Christ's College, Finchley (1st Year).

EXHIBITIONS IN LIBRARIANSHIP AND ARCHIVE ADMINISTRATION. D. A. Matthews, University of Cambridge; Myrtle J. Read, University College, Hull.

MEDICAL EXHIBITIONS.—No award.

MEDICAL SCHOLARSHIP.—No award.

ROSA MORISON SCHOLARSHIP (ARTS).—D. M. Blakeley (3rd Year); J. J. Pratt (2nd Year); Christine M. Mundy, Woking County Grammar School for Girls (1st Year).

ALFRED W. RICH SCHOLARSHIP (FINE ART).—Hilda Jackson (2nd Year).

ST PANCRAS SCHOLARSHIP.—No award.

SLADE SCHOLARSHIP.—A. G. R. Kneen (3rd Year); A. J. Lee (2nd Year); M. R. Yeomans, Enfield Grammar School (1st Year).

TREVELYAN GOODALL ART SCHOLARSHIP.—J. K. M. Hennessy (4th Year).

UNIVERSITY COLLEGE SCHOOL CENTENARY SCHOLARSHIP.—R. C. Pratt (2nd Year).

WEST SCHOLARSHIP IN ENGLISH AND ENGLISH HISTORY.—N. A. Beer (2nd Year).

II. OTHER SCHOLARSHIPS AND DISTINCTIONS

ANATOMY CLASS PRIZES.—*Medical:* Molly E. Wakely. *Dental:* Mavis A. Richardson.

ANATOMY AND PHYSIOLOGY (B.SC. DEGREE) SCHOLARSHIPS.—*Anatomy:* Alice M. Godfrey; M. Kidd; P. M. Sutton. *Physiology:* J. C. A. Archard; D. B. A. L. Davies; A. S. Jarrett.

'THE ARCHITECTS' JOURNAL' PRIZE.—G. H. Blomfield.

SARAH M. BAKER PRIZE (BOTANY).—No award.

HERBERT BATSFORD PRIZE (ARCHITECTURE).—J. D. Ainsworth.

BAYLISS-STARLING MEMORIAL SCHOLARSHIP (PHYSIOLOGY).—A. Howe.

BENINGTON MEMORIAL STUDENTSHIP (ANTHROPOMETRY AND CRANIOLOGY).—H. P. R. Bury.

ADA HEATHER BIGG PRIZE (POLITICAL ECONOMY).—E. Rado.

BONNEY PRIZE (GEOLOGY).—F. Howitt.

ALFRED BOSSOM PRIZE IN DOMESTIC ARCHITECTURE.—A. L. Dick.

ALFRED BOSSOM ATELIER PRIZES.—*English Architecture:* N. V. Hyde. *Contemporary Architecture:* P. L. Floyd.

MARY BRODRICK PRIZE (GEOGRAPHY).—D. M. Ricks.

MARGARET BROWNE STUDENTSHIP (ZOOLOGY).—Betty I. Roots (3rd Year).

'THE BUILDER' PRIZES (ARCHITECTURE) for work done in the Long Vacation 1951.—*Senior:* R. Topham. *Junior:* P. C. Sugar.

CHADWICK MEDAL AND PRIZE (MUNICIPAL ENGINEERING).—No award.

CHURCHILL-JENKINSON PRIZE (ARCHIVE ADMINISTRATION).—No award.

ANTONIO CIPPICO MEDAL AND PRIZE (ITALIAN).—L. A. Martin.

CAMPBELL CLARKE SCHOLARSHIP IN ENGLISH LANGUAGE AND LITERATURE.—Held as Entrance Scholarship.

LILIAN CLARKE PRIZE (BOTANY).—D. H. Dalby.

CLINTON PRIZE (ELECTRICAL ENGINEERING).—No award.

COWLEY PRIZE (LIBRARIANSHIP).—Alison A. Clarke and B. J. Ford, prize equally divided.

CLUFF MEMORIAL PRIZE (MEDICAL SCIENCES).—Next award, 1953.

DAWES HICKS SCHOLARSHIP (PHILOSOPHY).—T. H. Winter.

DERBY SCHOLARSHIP (ZOOLOGY).—Recommendation not yet made.

DOLLEY MEMORIAL PRIZE (HISTORY).—A. H. Smith.

DONALDSON MEDAL (ARCHITECTURE).—C. W. Arnold.

EARLY ENGLISH TEXT SOCIETY'S PRIZE.—No award.

FERRIÈRE SCHOLARSHIP (MEDICAL SCIENCES) Tenable at U.C.H. Medical School.—Grizelle Y. P. Hobart (1st Year).

FIELDEN RESEARCH SCHOLARSHIP (GERMAN).—Recommendation not yet made.

FORD FOUNDATION SCHOLARSHIPS (SOCIAL PSYCHOLOGY).—B. Allt (1st Year); G. J. Gardner (1st Year).

CAREY FOSTER RESEARCH PRIZE (PHYSICS).—W. S. C. Williams.

FOYLE PRIZE (LATIN).—M. Elsom.

GLADSTONE PRIZE FOR HISTORICAL ESSAY.—No award.

GOLDSMITHS' COMPANY'S POSTGRADUATE STUDENTSHIP IN LONDON HISTORY.—G. A. Williams.

ELEANOR GROVE SCHOLARSHIPS (GERMAN).—Recommendation not yet made.

ARCHIBALD P. HEAD MEMORIAL MEDAL AND PRIZE (MECHANICAL ENGINEERING).—J. R. Hatfield.

HEIMANN MEDAL (GERMAN).—G. D. Onn.

HENRIQUES SCHOLARSHIP (FINE ART).—Next award, 1953.

ELSIE HITCHCOCK PRIZE (ENGLISH).—S. A. Balding.

JOHN OLIVER HOBBES MEMORIAL SCHOLARSHIP IN MODERN ENGLISH LITERATURE.—June Derrick.

HOLLIER SCHOLARSHIPS.—*Greek:* A. Seeberg (1st Year); B. H. Theslaff (1st Year). *Hebrew:* F. Horovitz (1st Year); J. Soussan (1st Year).

R. B. HOUNSFIELD PRIZES.—*Town Planning and Civic Engineering:* P. C. Keys. *Traffic Engineering:* D. McD. Eadie.

JOSEPH HUME SCHOLARSHIP IN JURISPRUDENCE.—F. A. Ajayi (1st Year).

HURST BEQUEST ESSAY PRIZES IN ENGLISH LAW.—Recommendation not yet made.

INCORPORATED INSTITUTE OF BRITISH DECORATORS' PRIZE.—R. A. Whitworth.

SIR GEORGE JESSEL STUDENTSHIP (MATHEMATICS).—L. Few.

JEVONS MEMORIAL SCHOLARSHIP (ECONOMIC SCIENCE).—Margaret J. Jablonowski.

JEWS' COMMEMORATION SCHOLARSHIP.—P. C. Sugar, Architecture (2nd Year); P. R. Wyman, Engineering (1st Year).

JOLOWICZ PRIZE (ROMAN LAW).—No award.

KER MEMORIAL PRIZE (ENGLISH LANGUAGE AND LITERATURE).—G. Oliver.

LEVERHULME STUDENTSHIPS IN CHEMICAL ENGINEERING.—J. Bond (2nd Year); H. Singer (2nd Year); D. W. Jones (1st Year); J. M. Salomon (1st Year).

BUNNELL LEWIS PRIZE FOR LATIN VERSE.—F. S. C. Celoria.

LLOYD SCHOLARSHIP IN MODERN GREEK.—J. H. W. G. Liebeschuetz.

SIR JOHN MACALISTER MEDAL (LIBRARIANSHIP).—R. G. Woods.

BETTY MALCOLM SCHOLARSHIP (FINE ART).—Next award, 1953.

MALDEN SCHOLARSHIP (GREEK).—K. A. Rosson.

JOHN MARSHALL PRIZE AND MEDAL (COMPARATIVE PHILOLOGY).—No award.

SIR WILLIAM MEYER STUDENTSHIP (INDIAN HISTORY).
S. Bhattacharyya.

JOHN STUART MILL SCHOLARSHIP IN PHILOSOPHY OF MIND AND LOGIC.—No award.

MONSANTO CHEMICALS FELLOWSHIP.—P. W. Foster.

ROSA MORISON MEMORIAL MEDAL (ARTS).—D. H. Walke.

ROSA MORISON SCHOLARSHIP (ENGLISH LANGUAGE AND LITERATURE).—Margaret L. Woodhead (2nd Year); June Derrick (1st Year).

MORLEY MEDAL (MODERN ENGLISH LITERATURE).—J. F. Warburg.

MORRIS PRIZE (GEOLOGY).—B. A. Hains.

DOUGLAS MURRAY SCHOLARSHIP IN EGYPTOLOGY.—Next award, 1957.

MARGARET MURRAY PRIZE IN EGYPTOLOGY.—No award.

MELVILL NETTLESHIP PRIZE (FIGURE COMPOSITION).—V. A. J. Willing.

OLIVER SCHOLARSHIP (BOTANY).—No award.

PARRY PRIZE (GEOGRAPHY).—No award.

CATHERINE MAUDE PEARCE SCHOLARSHIP.—Gertrude M. Webster.

PHYSIOLOGY CLASS PRIZES.—*Medical:* J. C. A. Archard. *Dental:* I. Emanuel.

PLATT PRIZES (GREEK).—I. A. Bullard; K. A. Rosson.

POLLARD PRIZE (HISTORY).—J. T. Murley.

POSTGATE PRIZE (CLASSICAL PHILOLOGY).—No award.

THEODORA PRANKERD MEMORIAL SCHOLARSHIP (BOTANY).—Josephine P. Pugh.

QUAIN STUDENTSHIPS.—*English:* K. J. Palmer (2nd Year); *Biology:* Heather M. Thurgur (1st Year).

QUAIN ENGLISH ESSAY PRIZE.—Next award, 1953.

RAMSAY MEMORIAL MEDAL (CHEMISTRY).—G. W. King.

RICARDO SCHOLARSHIP (POLITICAL ECONOMY).—No award.

ELLEN RICHARDS PRIZE (BOTANY).—No award.

MARY RISCHGITZ PRIZE (FINE ART).—Diana J. Cumming and P. J. Sutton, prize equally divided.

GRAHAM ROBERTSON TRAVELLING SCHOLARSHIP (FINE ART).—M. J. Andrews, Diana J. Cumming and H. K. Inlander, scholarship equally divided.

ROBERT ROSS SCHOLARSHIP (FINE ART).—No award.

HESTER ROTHSCHILD SCHOLARSHIP IN HEBREW.—F. Horovitz.

L. M. ROTHSCHILD SCHOLARSHIP IN FRENCH.—J. W. Jolliffe.

MAYER DE ROTHSCHILD SCHOLARSHIPS IN PURE MATHEMATICS.—D. C. Cooper (1st Year); J. W. R. Day (1st Year).

SCHAFER PRIZE IN PHYSIOLOGY.—Next award, 1953.

SHARPEY PHYSIOLOGICAL SCHOLARSHIP.—W. E. Brocklehurst (2nd Year).

SLADE SCHOLARSHIPS.—J. A. Avis; R. M. J. Eastham; E. Uglow.

LAURA SOAMES PRIZE (PHONETICS).—No award.

STEER MEDAL AND PRIZE (FINE ART).—Greta Rimington.

SUCKLING MEMORIAL PRIZE (ANATOMY).—R. H. Anderson.

SIR ANDREW TAYLOR PRIZES.—*Architecture:* G. H. Blomfield; *Fine Art:* No award.

HENRY TONKS PRIZE (FINE ART).—Rosemary L. M. Young; P. F. B. Snow.

TROUGHTON SCHOLARSHIP (POSTGRADUATE).—F. A. Ajayi.

TUFFNELL SCHOLARSHIP (CHEMISTRY).—E. G. Vaal (2nd Year); T. J. Lewis (1st Year); J. G. Pritchard (1st Year).

L. F. VERNON-HARCOURT PRIZE (CIVIL ENGINEERING).—J. T. C. Harvey.

ELLEN WATSON MEMORIAL SCHOLARSHIP IN APPLIED MATHEMATICS.—S. F. J. Butler.

WEBB SCHOLARSHIP.—Pui Y. Goh (3rd Year).

APPENDIX XII

EXAMINATION RESULTS

FACULTY OF ARTS

B.A. Honours	*1st Class*	*2nd Class*		*3rd Class*	*Total*
		Upper Div.	*Lower Div.*		
Anthropology	—	2	—	—	2
Classics	1	1	3	—	5
English	2	11	11	2	26
French	—	4	7	9	20
Geography					
Old Regulations	—	—		1	1
Revised Regulations	2	4	4	2	12
German	1	2	5	1	9
Greek	—	3	—	—	3
Hebrew	—	1	—	—	1
History	2	13	11	1	27
Italian	—	—	1	—	1
Latin	—	1	3	2	6
Philosophy	1	3	1	—	5
Psychology					
Old Regulations	1	8		3	12
Revised Regulations	—	1	—	—	1
	10	46	46	21	131

B.A. (General)	*1st Division*	*2nd Division*	*3rd Division*	*Total*
	—	2	2	4

B.A. Architecture	*1st Class Honours*	*2nd Class Honours*	*Pass*	*Total*
	—	7	3	10

FACULTY OF ECONOMICS

B.Sc. (Economics)	*1st Class Honours*	*2nd Class Honours* Upper Div.	Lower Div.	*Pass*	*Total*
Old Regulations	—	3	3	2	8
Revised Regulations	—	6	12	1	19
	—	9	15	3	27

FACULTY OF LAWS

	1st Class Honours	*2nd Class Honours* Upper Div.	Lower Div.	*Pass*	*Total*
LL.B.	1	2	28	19	50

FACULTY OF SCIENCE

B.Sc. (Special)	*1st Class Honours*	*2nd Class Honours* Upper Div.	Lower Div.	*Pass*	*Total*
Anatomy	1	3	—	—	4
Anthropology	—	1		—	1
Botany	—	4	—	—	4
Chemistry	7	7	6	3	23
Geography	1	3	1	4	9
Geology	1	5	4	—	10
Mathematics	6	5	6	2	19
Physics	6	6	6	5	23
Physiology					
Old Regulations	1	9		2	12
Revised Regulations	1	4	1	—	6
Psychology					
Old Regulations	1	11		1	13
Revised Regulations	—	2	—	—	2
Statistics					
Old Regulations	—	—		1	1
Revised Regulations	—	4		1	5
Zoology	1	9		1	11
	26	39	34 24	20	143
B.Sc. (General)	1	16		17	34

FACULTY OF ENGINEERING

	1st Class Honours	*2nd Class Honours*	*Pass Degree*	*Total*
B.Sc. (Engineering)	4	11	14	29
B.Sc. (Engineering) Chemical Engineering	3	5	2	10

FACULTY OF MEDICINE

Second Examination for Medical Degrees : 65 students passed

APPENDIX XIII

ATTENDANCES OF MEMBERS OF COLLEGE COMMITTEE 1 OCTOBER 1951 TO 30 SEPTEMBER 1952

Members of College Committee	*College Committee*	*Managing Sub-Committee*	*Finance Sub-Committee*
Chairman (Rt Hon. Lord Normand)	7—7	—	—
Vice-Chairman (Sir Robert Waley Cohen)	2—7	1—10	—
Provost (Dr B. Ifor Evans)	7—7	10—10	12—12
Mr A. B. Ashby	3—7	—	—
Mrs Irene Chaplin	4—7	—	—
Dr W. E. Duncanson	7—7	10—10	2—3
Dr P. Dunsheath	7—7	7—10	0—1
Sir Alexander Gibb	0—7	—	—
Dr R. E. Gibbs	7—7	—	—
Dr D. Heron (Treasurer to February 1952)	6—7	10—10	12—12
Professor A. V. Hill	6—7	—	—
Professor S. E. Hollingworth ..	6—7	8—10	—
Mr A. S. Holness	5—7	8—10	9—12
Sir Frederick James (Treasurer from March 1952)	7—7	3—4	10—12
Professor B. J. Lloyd-Evans	7—7	10—10	—
Mr L. Hilary Macklin	5—7	4—4	10—12
Mr E. K. Martin	5—7	3—4	8—12
Professor T. B. L. Webster	7—7	10—10	8—12
Miss Etheldreda Wickers	5—7	—	—
Professor G. L. Williams	7—7	9—10	—
Professor F. R. Winton	6—7	10—10	—
Mr R. McKinnon Wood	2—7	—	—

NOTE.—*The two figures in each space indicate respectively the number of times that the member attended, and the number of times that he was summoned to meetings of the Committee in question*

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

Agricultural Research Council

(1) A grant not exceeding £669 to enable an investigation to be undertaken in the Department of Eugenics, Biometry and Genetics on 'Quasi-Continuous Variation in the Mouse'.

(2) A grant not exceeding £587 for the year beginning 1 September 1952 in aid of research on the biochemistry of parasitism, with the possibility of annual renewal up to a total period of three years.

Anglo-Iranian Oil Co. Ltd

A grant of £500 to assist in the general research work of the Department of Chemical Engineering.

Messrs Baring Bros & Co. Ltd

A gift of £25 a year for four years to assist in the purchase of books on Latin-American History.

Mr Alfred Bossom

A gift of approximately £600 to defray the cost of a presentation medal for the best entry from each country in the Commonwealth, and a certificate of merit to each of the exhibitors, in exhibitions of drawings from Schools of Architecture in the Commonwealth, to be organized at regular intervals by the Bartlett School of Architecture.

Boots Pure Drug Co. Ltd

A grant of £2,000 in recompense for services rendered during the war, for use in connection with the Department of Chemical Engineering.

British Steel Founders' Association

A gift of £4,000 to be available for the two years, 1951–52, 1952–53, for the purpose of developing, in the Department of Anatomy, a device known as the Flying Spot Microscope.

Cement and Concrete Association

A grant of £250 a year for two years for the award of a postgraduate scholarship or scholarships for concrete research in the Department of Civil and Municipal Engineering.

Chadwick Trustees

A grant of £400 for the continuation until the end of 1951–52 of a scholarship for research in Public Health Engineering in the Chadwick Department of Civil and Municipal Engineering.

Danish Ministry of Education

A grant of 2,000 kroner (£100) for the purchase of works in Danish literature.

Department of Scientific and Industrial Research

A grant of £4,000 for the purchase of a 17 MeV electron synchrotron required for research in the Department of Physics.

MESSRS DEXION

A gift of a quantity of perforated angle for supporting test equipment to the Department of Mechanical Engineering.

MISS L. M. EYRE

A gift of four Burmese silver salt-cellars.

FORD FOUNDATION

A grant of approximately £1,200 for one year for research and clerical assistance to enable the Department of Psychology to participate in a research programme in inter-group relations in Europe, organized by the Institute of Social Research in Norway.

MESSRS FRIGIDAIRE

The gift of a refrigerator complete with brine tank, air cooler and fan, for the Department of Mechanical Engineering.

SIR ALEXANDER GIBB & PARTNERS

Financial provision for a scholarship in Engineering, value £200 per annum, tenable at University College.

SIR HENRY D'AVIGDOR GOLDSMID

A grant of £25 towards the cost of the publication of a lecture given by Dr S. Stein on 'Isaac Lyon Goldsmid and the Beginnings of Hebrew Studies at University College'.

HOME OFFICE CHILDREN'S DEPARTMENT

A grant of £500 for the year 1952–53 to promote research in the Department of Psychology into the results of training and after-care in senior girls' approved schools.

IMPERIAL CHEMICAL INDUSTRIES LTD

A gift to the Department of Chemical Engineering of an oscillograph.

MRS H. A. LAKE BARNETT

A gift of approximately £500 to assist the College in arranging in the Library the books of the Folk-Lore Society's Library and of the Coote Lake Folk-Lore Collection.

THE LATE DR EDWARD PARR METCALFE

A bequest of £1,000 for the general purposes of the College.

MINISTRY OF SUPPLY

A grant of approximately £3,280, in connection with a research contract between the College and the Ministry for work in the Department of Electrical Engineering on an investigation of micro-wave conductivity of metallic surfaces, covering a period of two years.

MR L. G. MONTEFIORE

A grant of £25 towards the cost of the publication of a lecture given by Dr S. Stein on 'Isaac Lyon Goldsmid and the Beginnings of Hebrew Studies at University College'.

The Late Miss Rosa Morison

The bequest of a share of her residuary estate, amounting to £1,087 3*s.* 2*d.* for use in connection with the Faculty of Arts.

Messrs D. Napier & Son Ltd

The gift of a Napier Sabre engine.

Nuffield Foundation

(1) A grant of a capital sum of £650 for apparatus and £200 a year for two years from 1 September 1951 for materials and other expenses of research under the direction of Professor P. B. Medawar in the Department of Zoology.

(2) A grant of £6,050 for equipment and an annual grant of £1,000 a year for five years beginning on 1 October 1952, for research under the direction of Professor B. Katz in the Department of Biophysics.

Shell Petroleum Co. Ltd

A grant of £100 for each of the sessions 1951–52 and 1952–53 with the primary object of assisting individual undergraduate students to undertake field mapping.

APPENDIX XV

COLLEGE ACCOUNTS 1951-52

The College Accounts for the year 1951–52 which follow on pages 130 to 139 comprise the Income and Expenditure Account and Balance Sheet, and subsidiary accounts for Rehabilitation and Development, College Properties (Estate), Hostels, and Staff Accommodation (Flats).

BALANCE SHEET

Features of special interest were:

LIABILITIES

The College General Capital Account was increased by grants totalling £11,175 received from H.M. Treasury to finance the purchase of 4 & 5 Hertford Place, a site to be used for the development of the College's hostel programme, and of 104 Gower Street, a component of the College 'rectangle'.

Sundry Funds include the College's Reserve Funds amounting to £33,385, and Special Funds of £66,751 which are earmarked for special purposes.

An interest-free loan from the University of £30,000, made as an advance in respect of the Court Grant due in September 1952, enabled the College to avoid obtaining costly bank loans during this period of the year, and the assistance afforded by the University is gratefully acknowledged.

ASSETS

The value of the College Freehold Land, Buildings etc., was increased by the acquisition of the two properties for which Capital Grants were received.

Under Investments provision was made for depreciation owing to reduced market rates which has been set against the Reserve Funds mentioned.

TRUST FUNDS

The College holds Endowments in the form of 161 separate Trust Funds with a total value of over £1,000,000. These funds yield a gross income of some £46,000.

INCOME AND EXPENDITURE

The Income and Expenditure Account showed a deficit of £30,160 as compared with a surplus of £1,563 in the previous year.

The total expenditure of £828,369 was £66,604 greater than in 1950–51. This was chiefly the result of general increases in the cost of services, but it was also because of certain new appointments, normal increments of salaries, and the introduction of a revised wages scale for technicians.

The income of £798,209 exceeded that of the previous year by £34,881. This was mainly accounted for by increases totalling £38,860 in the grants allocated by the Court of the University which rose from £583,016 to £621,876. Fees exceeded those of the previous year by £12,985, but Other Income was less by £11,773.

The percentages of the expenditure and income under the main classifications in 1950–51 and 1951–52 are shown in the following tables:

EXPENDITURE	1950–51	1951–52
	%	%
Salaries and Pensions of Teaching Staff	53·8	52·3
Departmental Expenses, including Library	19·4	20·7
Maintenance of Premises	11·3	11·8
Administration	10·0	9·7
Other	5·5	5·5
	100·0	100·0

INCOME		
	%	%
Endowments	5·4	5·1
Donations	0·5	0·4
Grants	76·4	78·0
Fees	13·9	15·0
Other	3·8	1·5
	100·0	100·0

REHABILITATION AND DEVELOPMENT ACCOUNT

This account records the course of operations upon the rebuilding of the College after damage suffered during the war, upon the provision of temporary accommodation and of certain new buildings and of their equipment. The account shows in separate sections works completed at 31 July 1952, and works in progress.

The various projects are financed mainly by special Capital Grants from the University Grants Committee, and by War Damage compensation, but the balance has to be found from College sources. Up to date, 71% has been found from Capital Grants, 25% from War Damage compensation, 3% from College funds, and 1% from other sources.

In this account the payments of £1,283,576 for the eleven years up to 31 July 1952 exceeded the receipts of £1,218,037 by £65,539, which related to expenditure upon:

	£
Projects for which Capital Grants and War Damage Compensation have been approved	38,776
Apparatus for which Capital Grants have been approved	3,616
Projects in anticipation of Capital Grants	7,281
Preparation of plans for College development	14,215
Projects to be financed from College Funds	1,651
	£65,539

SUBSIDIARY ACCOUNTS

The Subsidiary Accounts for College Properties, Hostels, and Staff Accommodation show separately the income under each of these headings and the expenditure related thereto, the resulting surplus or deficit being shown in the College's Income and Expenditure Account.

CAPITAL GRANTS

Capital Grants made by the University Grants Committee for the year 1951–52 were as follows:

ACQUISITION OF LAND AND PROPERTIES	£
Purchase of 104 Gower Street	10,500
Purchase of Malet Place Warehouse & 33–35 Torrington Place	31,750
Purchase of sites in Fitzroy Square	1,600
	(43,850)
NEW CONSTRUCTION AND EQUIPMENT	
Main Building and Junctions, additional cost and professional fees	146,996
New Physics Building	209,525
Anatomy Building—top storey	58,873
Conversion of 31–43 Cartwright Gardens	34,276
Provision of New Boilers	8,129
Conversion of Gower Street Houses	1,062
Conversion of Malet Place, East Side, and consequential alterations to Foster Court	4,123
Erection of partitions in South Wing	250
Conversion of 114 Gower Street	1,430
Alterations in Zoology Department	650
Strengthening floor in Foster Court Library Bookstack	623
Alterations to Student Health Centre	750
Junior Chemistry Laboratory—professional fees	1,200
Medical Sciences Building Lift repairs	985
Alterations in Physiology Department	785
Demolition and refencing of 115–117 Whitfield Street	40
Reconstruction of Chemistry Area Vaults	2,133
Alterations in Biochemistry Department	830
Alterations and improvements following moves of departments into new buildings	1,420
Installation of Chemistry Fume Extraction Plant	1,703
Purchase of equipment for new Animal House	270
Purchase of additional equipment and furniture for reconstructed General Library	1,440
Repairs to Slade School Hostel	4,673
Provision of accommodation for Provost and staff	1,170
Provision of grilles to windows of Egyptology Museum	552
Provision of additional accommodation for Zoology Department	5,005
Provision of Picture Store in Slade School	325
Accommodation for Scandinavian Studies Department	203
Reconstruction of Chemistry Area Vaults—provision of shelving	242
General Electrical Reorganization	2,378
Reconstruction of General Library	2,556
Tunnel for Steam and Electricity Supply	7,384
Reinstatement of Ramsay Chemical Engineering Laboratory	2,340
Installation of Steam Lines for New Boilers	1,060
Animal House—Stage I	1,150
Phonetics Sound-Proof Room	368

	£
Temporary Furniture Store—increase in cost	128
Accommodation for Department of Town Planning	147
Provision of double windows in Chemistry Lecture Room	534
Engineering Faculty: replanning of accommodation—professional fees	534
Rectifier for night supply of Direct Current	2,596
	(510,838)
	£554,688

SCHOLARSHIPS AND PRIZES

Expenditure upon these awards amounted to £8,325 14*s.* 8*d.* in 1951–52. Awards were made as under:

	Undergraduate			*Postgraduate*		
	£	*s.*	*d.*	£	*s.*	*d.*
From Endowments	2,427	12	5	1,162	7	10
„ Donations and Subscriptions	46	10	0	1,647	18	4
„ General Income	1,030	8	1	1,600	11	0
„ „ „ (Exhibition Bursaries and special fee remissions)	410	7	0	—		
	£3,914	17	6	£4,410	17	2

UNIVERSITY OF LONDON
GENERAL BALANCE SHEET OF

LIABILITIES, CAPITAL ACCOUNT, RESERVES AND OTHER FUNDS

1950–51			1951–52	
£		£	£	£
851,576	COLLEGE GENERAL CAPITAL ACCOUNT		849,497	
	Add Capital Grants:	£		
—	4 and 5 Hertford Place	675		
—	104 Gower Street	10,500		
			11,175	
851,576			860,672	
2,079	*Less* Transfer to Appropriation Account		2,163	
849,497			858,509	
	MORTGAGE LOANS			
	Gordon Street Frontage—Prudential Assurance Co. Ltd	50,000		
	Less Principal repaid to date	14,315		
37,848			35,685	
	Seamen's Hospital—Equitable Life Assurance Society	44,000		
	Less Principal repaid to date	15,668		
32,470			28,332	
	TREASURY LOAN FOR COLLEGE FLATS	39,500		
	Add Accrued Interest capitalized	1,446		
		40,946		
	Less Principal repaid to date	3,117		
38,753			37,829	
127,650	TREASURY INTEREST-FREE LOAN FOR GOWER STREET AND GORDON SQUARE PROPERTIES		127,650	
1,086,218				1,088,005
26,412	REDEMPTION FUNDS			34,596
	SUNDRY FUNDS			
1,791	Loan		1,860	
68,795	Special		66,751	
70,586			68,611	
34,258	Reserve		33,385	
36,359	Unexpended Balances		49,781	
141,203			151,777	
—	*Less* Depreciation of Investments	17,000		
—	Losses on Refectory Account	6,361		
5,596	Appropriation Account	22,401		
146,799			45,762	106,015
	CURRENT LIABILITIES			
—	Loan from University on Account of Court Grant 1952–53		30,000	
117,784	*Bank Overdraft*		—	
52,348	Creditors and Accrued Expenses		78,089	
1,741	Fees in Suspense		1,969	
171,873				110,058
1,431,302				1,338,674
1,044,479	TRUST FUNDS: LIABILITIES AND CAPITAL			959,231
£2,475,781				£2,297,905

We have examined the above Balance Sheet as at 31 July 1952 and vouchers relating thereto, and certify them as being properly drawn up

3 Frederick's Place, Old Jewry, London EC2
20 November 1952

THE COLLEGE AT 31 JULY 1952

ASSETS AND REHABILITATION AND DEVELOPMENT EXPENDITURE

1950–51 £		1951–52 £	£
	COLLEGE FREEHOLD LANDS, BUILDINGS, FURNITURE, LIBRARY, etc., being the Land with the Buildings of the College ..		
743,850	General Properties	743,850	
82,750	Gordon Street Frontage (25–28 Gordon Square and 3–23 (odd) Gordon Street)	82,750	
47,964	1, 3 and 5 Hornton Street	41,734	
—	4 and 5 Hertford Place	675	
93,032	Seamen's Hospital	93,032	
127,650	Gower Street and Gordon Square Properties (88–98 (even) Gower Street and 14–24 Gordon Square)	127,650	
3,006	115 and 117 Whitfield Street	3,006	
—	Fords Warehouse and Torrington Place	96	
—	20 and 22 Maple Street	160	
—	104 Gower Street	10,975	
1,098,252		1,103,928	
18,976	*Less* War Damage Compensation on 'Hawarden Castle' and Gordon Street Frontage	20,178	
1,079,276		1,083,750	
	COLLEGE LEASEHOLD PROPERTY	£	
13,542	37 and 38 Nevern Square	13,542	
92	*Less* Leasehold Depreciation	138	
13,450		13,404	
22,710	Bentham Hall (31–43 Cartwright Gardens) .. [*Lease expiring 24 June 1960*]	22,710	
36,160		36,114	
1,115,436			1,119,864*
172,817	REHABILITATION AND DEVELOPMENT ACCOUNT Payment, less receipts to date, on account of capital works in progress, deferred expenditure and expenditure on reconstruction of properties damaged by enemy action		65,539*
	**The values at which these assets appear in the Balance Sheet will be subject to adjustment on settlement of War Damage claims for properties destroyed and damaged.*		
	INVESTMENTS		
72,715	General College Funds	67,981	
—	*Less* Depreciation	17,000	
72,715	[*Market Value at 31 July 1952, £50,901*]	50,981	
605	Redemption Funds	1,539	
73,320			52,520
	CURRENT ASSETS		
	Cash at Bank		
—	On Current Account	32,141	
	On Deposit:	£	
—	Friends of University College Appeal Fund ..	16	
15,650	Main Building Retention Account	15,712	
		15,728	
—	Post Office Savings Bank Accounts	1,430	
12,505	Stores	15,494	
6,086	National Insurance Stamps	617	
4,881	Refectory Advances (less provision for losses) ..	2,194	
30,607	Debtors and Payments in Advance	33,147	
69,729			100,751
1,431,302			1,338,674
1,044,479	TRUST FUNDS: ASSETS		959,231
£2,475,781			£2,297,905

relative Income and Expenditure Accounts with the books, accounts and and in accordance therewith.

[Signed] PRICE WATERHOUSE & Co.
Chartered Accountants

1950–51 £	EXPENDITURE	1951–52 £	£
	ADMINISTRATION		
56,350	Salaries and Superannuation of Administrative Staff	58,656	
20,148	Office and Other Expenses	22,266	
(76,498)			80,922
	DEPARTMENTAL MAINTENANCE		
407,038	Salaries and Superannuation of Teaching Staff	430,418	
6,301	Salaries and Superannuation of Departmental Staff	6,861	
1,195	Public Lectures	948	
67,098	Departmental Wages and Superannuation	78,115	
49,340	Departmental and Laboratory Maintenance	56,096	
14,913	Salaries and Superannuation of Library Staff	15,896	
10,615	Libraries	14,557	
2,496	Other Departmental Expenses	1,850	
(558,996)			604,741
	MAINTENANCE OF PREMISES		
4,995	Salaries and Superannuation of Works Department Staff	5,060	
15,372	Rates and Insurance	15,878	
24,870	Heat, Light and Water	29,976	
10,771	Ordinary Repairs and General Maintenance	12,590	
15,062	Wages and Superannuation of Porters and Attendants	16,399	
10,131	Cleaners	11,710	
367	Grounds	433	
3,065	Household Stores	3,082	
1,033	Furniture	1,060	
195	Crabb-Robinson Fund	185	
763	Other Expenses	1,482	
(86,624)			97,855
4,199	PENSIONS		4,552
135	OTHER EDUCATIONAL EXPENSES		103
3,566	RENTS		5,018
7,920	SCHOLARSHIPS AND PRIZES		8,326
10,491	STUDENT SOCIETIES		12,046
3,655	MORTGAGE LOAN (GORDON STREET FRONTAGE)		3,656
7,529	OTHER EXPENSES		7,281
1,738	CAPITAL EXPENDITURE MET FROM INCOME		1,964
	DEFICITS		
359	Staff Accommodation Account	362	
55	Hostels Account	1,543	
(414)			1,905
	Balance of Income and Expenditure Account for the year		
4,050 (Cr)	*General*		—
3,358 (Dr)	*Medical*		—
871 (Cr)	*Social Sciences*		—
(1,563)			
£763,328			£828,369

APPROPRIATION

	General £	*Medical* £	*Social Sciences* £	*Net Total* £
Balance (Deficit) brought forward from 1950–51	—	12,479	—	—
Income and Expenditure Account Deficit	19,568	11,108	—	30,160
Balance (Surplus) carried forward	—	—	1,333	—
	£19,568	£23,587	£1,333	£30,160

1950–51 £	INCOME	1951–52 £
41,052	INTEREST ON ENDOWMENTS	41,080
3,675	DONATIONS AND SUBSCRIPTIONS	3,456
10,943	SPECIAL FUNDS	5,079
583,016	TREASURY GRANTS	621,876
106,220	FEES	119,205
—	CONTRIBUTIONS FOR SERVICES RENDERED	1,039
15,173	OTHER INCOME	3,400
3,249	SURPLUS ON COLLEGE PROPERTIES ACCOUNT	3,074
763,328		798,209

	BALANCE OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR	£	
—	General	19,568 (Dr)	
—	Medical	11,108 (Dr)	
—	Social Sciences	516 (Cr)	
			30,160
£763,328			£828,369

ACCOUNT

	General £	*Medical* £	*Social Sciences* £	*Net Total* £
Balance (Surplus) brought forward from 1950–51	17,258	—	817	5,596
Income and Expenditure Account Surplus	—	—	516	—
Capital Account: Amount transferred	2,163	—	—	2,163
Balance (Deficits) carried forward	147	23,587	—	22,401
	£19,568	£23,587	£1,333	£30,160

PAYMENTS

Item	*Project*	1941–51 £	1951–52 £	*Total* £
	COMPLETED PROJECTS			
1	Excavation to East of South Cloisters	5,178	—	5,178
2	New Laundry, etc.	4,453	—	4,453
3	Equipment of Engineering Workshop	6,000	—	6,000
4	Auxiliary Generating Plant	17,149	180	17,329
5	Steam Lines for New Boilers	4,818	—	4,818
6	Tunnel for Electric Supply Cables & Steam Heating Plant	19,780	65	19,845
7	Accommodation for Town Planning Department	2,197	—	2,197
8	Temporary Furniture Store	3,128	—	3,128
9	Phonetics Sound-Proof Room	3,168	—	3,168
10	Conversion of Room in Architecture for Botany	3,793	—	3,793
11	115–117 Whitfield Street—Demolition and Fencing	1	216	217
12	Botany Car	—	905	905
13	Lockers	781	—	781
14	Foster Court—Soundproofing	5,205	—	5,205
15	Incinerator	667	—	667
16	Chemistry Noise Protection	534	—	534
17	Demolition of North Bay of Main Refectory	1,220	—	1,220
18	Pharmacology Alterations	1,356	380	1,736
19	Chemistry Storage Cupboards	1,333	—	1,333
20	Fitzroy Street Properties	525	—	525
21	Egyptology Museum—Provision of Grilles	1	550	551
22	Picture Store in Slade School	1	263	264
23	Hostels—Initial Expenditure	15,379	—	15,379
24	Preparation of Plans—Schemes not utilized	4,132	—	4,132
25	Purchase of Property from Bedford Estate—Initial Expenditure	4,767	—	4,767
26	Gymnasium Seating	730	30 (Cr)	700
27	Reparation of Air Raid Damage—Ramsay Chemical Engineering Laboratory	18,790	—	18,790
	Total Completed Projects	125,086	2,529	127,615
	WORKS IN PROGRESS			
28	Preparation of Plans for Reconstruction of College	10,105	15.365	25,470
29	Reconstruction of Main Building	224,713	103,768	328,481
30	Huts and Equipment	54,167	—	54,167
31	Refectory Equipment	19,489	164	19,653
32	Junior Chemistry Laboratory	24,354	—	24,354
33	Reorganization of College Electricity System	154,112	3,159	157,271
34	New Boilers for Chemistry Department	9,362	416	9,778
35	Chemistry Fume Cupboard Extractors	5,208	5,493	10,701
36	Chemistry Crystallography Laboratory	5,328	—	5,328
37	Arrears of Maintenance, Decoration, etc.	48,485	3,028 (Cr)	45,457
38	Animal House	9,530	379	9,909
39	Alterations and Additions to Anatomy Department	912	—	912
40	Alterations to Engineering Faculty	9,751	—	9,751
41	Chemistry Alterations and Extensions	29	—	29
42	Electronic Workshop	3,288	321	3,609
43	Office Equipment and Furniture	6,845	270	7,115
44	Botany Greenhouse	447	—	447
45	War Damage Repairs	43,991	—	43,991
46	24–26 Gordon Square	28,122	6,733	34,855
47	Library	23.995	2,519	26,514
48	Furniture for New Library	967	22,945	23,912
49	Physics Department Re-instatement	2,694	—	2,694
50	Egyptology Collection	12,332	1,342	13.674
51	Telephone Switchboard	6,639	—	6,639
52	Gordon Street Cycle Shed and Battery House	1,650	41	1,691
53	17 Gordon Street	2,609	—	2,609
54	Hostels—Development Scheme	20	—	20
55	Chemistry Area Vaults	3,157	5,365	8,522
56	New Physics Building	206	32,790	32,996
57	Professional Fees—War Damage Claims	2,100	2,100 (Cr)	—
58	Superintendent of Works Office	1,357	92	1,449
59	Squash Court Site	16	—	16
60	Botany New Laboratory	10,862	—	10,862
61	Fine Art Library	700	—	700
	Carried forward	852,628	198,563	1,051,191

RECEIPTS

Item	War Damage £	College Funds £	Miscellaneous Sources £	Capital Grants £	Total £	Balance £
1	—	—	—	5,178	5,178	—
2	—	—	—	4,453	4,453	—
3	—	—	—	6,000	6,000	—
4	—	17,329	—	—	17,329	—
5	—	—	—	4,817	4,817	1
6	—	—	—	19,764	19,764	81
7	—	—	—	2,197	2,197	—
8	—	—	—	3,128	3,128	—
9	—	—	200	2,968	3,168	—
10	—	—	—	3,792	3,792	1
11	—	—	—	215	215	2
12	—	305	—	600	905	—
13	—	—	—	781	781	—
14	—	—	—	5,200	5,200	5
15	—	—	—	667	667	—
16	—	—	—	534	534	—
17	—	—	—	1,220	1,220	—
18	—	—	—	1,736	1,736	—
19	—	—	—	1,333	1,333	—
20	—	—	525	—	525	—
21	—	—	—	552	552	1 (Cr)
22	—	—	—	264	264	—
23	—	—	8,000	7,000	15,000	379
24	—	—	—	3,800	3,800	332
25	—	—	—	4,500	4,500	267
26	—	—	—	700	700	—
27	15,149	—	—	3,590	18,739	51
	15,149	17,634	8,725	84,989	126,497	1,118
28	—	—	—	25,456	25,456	14
29	225,852	—	—	102,002	327,854	627
30	—	—	—	54,166	54,166	1
31	—	3,405	—	16,104	19,509	144
32	—	—	—	24,397	24,397	43 (Cr)
33	—	—	—	150,613	150,613	6,658
34	—	1,000	—	8,778	9,778	—
35	—	2,000	—	8,693	10,698	3
36	—	1,923	—	3,393	5,316	12
37	—	3,602	1,378	42,074	47,054	1,597 (Cr)
38	—	1,020	—	8,320	9,340	569
39	—	—	—	1,000	1,000	88 (Cr)
40	—	—	—	9,600	9,600	151
41	—	—	—	—	—	29
42	—	—	—	3,575	3,575	34
43	—	—	—	6,803	6,803	312
44	—	—	—	—	—	447
45	44,112	—	—	—	44,112	121 (Cr)
46	7,614	2,000	—	21,720	31,334	3,521
47	12,010	—	—	14,464	26,474	40
48	—	—	—	19,012	19,012	4,900
49	—	—	—	2,609	2,609	85
50	—	—	—	13,000	13,000	674
51	—	—	—	6,639	6,639	—
52	—	—	—	1,645	1,645	46
53	707	—	—	1,950	2,657	48 (Cr)
54	—	—	—	—	—	20
55	—	—	—	7,908	7,908	614
56	—	—	—	23,249	23,249	9,747
57	—	—	—	—	—	—
58	—	—	—	1,348	1,348	101
59	—	—	—	—	—	16
60	—	—	—	10,848	10,848	14
61	—	—	—	700	700	—
	305,444	32,584	10,103	675,060	1,023,191	28,000

PAYMENTS (continued)

Item	Project	1941–51 £	1951–52 £	Total £
	Brought forward	852,628	198,563	1,051,191
62	Removal of Library Books	145	—	145
63	Preparation of Plans for College Development	7,986	6,229	14,215
64	Works Department—Machinery	1,285	15	1,300
65	Miscellaneous Minor Works	5,337	1,190	6,527
66	Equipment for Main Building	7,177	8,191	15,368
67	Alterations and Equipment for 94–98 Gower Street and Malet Place, East Side	3,263	3,709	6,972
68	Temporary Accommodation	3,544	2,456	6,000
69	Chemistry Department—Benches and Shelving	1,146	537	1,683
70	Furniture for New Staff and New Accommodation	1,094	951	2,045
71	Strengthening of Floors in Foster Court	519	—	519
72	Departmental Apparatus and Equipment	52,617	17,976	70,593
73	114–116 Gower Street—Adaptation	1,543	251	1,794
74	Gower Street Front	6,518	—	6,518
75	Alterations in Biochemistry	436	719	1,155
76	New Library Building	1	—	1
77	Bentham Hall—Alterations	7,212	17,603	24,815
78	„ „ —Furnishings	1,446	7,617	9,063
79	College Heating—Installation of New Boilers	21	2,552	2,573
80	New Biological Sciences Block	737	41,075	41,812
81	Physiology Alterations	313	496	809
82	New Engineering Building	5	—	5
83	Zoology Research Rooms and Animal House	18	3,616	3,634
84	Lift Repairs in Physiology	—	55	55
85	Carpets, Floor Coverings and Repairs	—	7,154	7,154
86	Equipment and Furniture for Foster Court	—	820	820
87	Physics Roof—Dryrot	—	251	251
88	Botany Department Greenhouse 1951–52	—	824	824
89	Library Control Point	—	130	130
90	28–29 Cartwright Gardens—Repair of Back Walls	—	3,507	3,507
91	Long Vacation Moves 1951 and 1952	—	1,228	1,228
92	Main Building Blinds	—	342	342
93	Electricity Sub-Station—88A Gower Street	—	70	70
94	Great Hall Site	—	413	413
95	Miscellaneous Works in Progress	9	36	45
		£955,000	£328,576	£1,283,576

Receipts up to 31 July 1951

COLLEGE

EXPENDITURE

1950–51 £			1951–52 £
502	*Rents*		—
372	Rates and Insurance		319
130	Heating, Lighting and Water		47
39	*Cleaning*		—
141	Maintenance		125
97	Legal and Other Expenses		102
(1,281)			593
	Mortgage Loan on Seamen's Hospital:	£	
1,330	Interest	1,179	
3,987	Transfer to Redemption Fund	4,138	
(5,317)			5,317
3,249	Balance for the year carried to Income and Expenditure Account		3,074
£9,847			£8,984

RECEIPTS (continued)

Item	War Damage £	College Funds £	Miscellaneous Sources £	Capital Grants £	Total £	Balance £
	305,444	32,584	10,103	675,060	1,023,191	28,000
62	—	—	—	—	—	145
63	—	—	—	—	—	14,215
64	—	—	—	1,300	1,300	—
65	—	—	—	6,156	6,156	371
66	—	—	—	13,874	13,874	1,494
67	—	—	—	6,817	6,817	155
68	—	—	—	6,000	6,000	—
69	—	—	—	1,545	1,545	138
70	—	—	—	2,000	2,000	45
71	—	—	—	517	517	2
72	—	2,460	—	64,863	67,323	3,270
73	—	—	—	1,678	1,678	116
74	—	—	—	—	—	6,518
75	—	—	—	706	706	449
76	—	—	—	—	—	1
77	—	—	—	24,629	24,629	186
78	—	—	—	6,954	6,954	2,109
79	—	—	—	2,573	2,573	—
80	—	—	—	36,651	36,651	5,161
81	—	—	—	691	691	118
82	—	—	—	—	—	5
83	—	—	—	3,493	3,493	141
84	—	—	—	—	—	55
85	—	—	—	7,148	7,148	6
86	—	—	—	726	726	94
87	—	—	—	—	—	251
88	—	—	824	—	824	—
89	—	—	—	—	—	130
90	—	—	—	2,499	2,499	1,008
91	—	—	—	742	742	486
92	—	—	—	—	—	342
93	—	—	—	—	—	70
94	—	—	—	—	—	413
95	—	—	—	—	—	45
	£305,444	£35,044	£10,927	£866,622	£1,218,037	£65,539
	£234,241	*£32,344*	*£10,003*	*£505,595*	*£782,183*	*£172,817*

PROPERTIES ACCOUNT

INCOME

1950–51 £		1951–52 £	£
	Rents:		
184	Malet Place, East Side	58	
277	114–116 Gower Street	243	
41	*40 Sandwich Street*	—	
40	Foster Court (St Pancras Electricity Sub-Station)	40	
110	134 Gower Street	110	
5,500	25 Gordon Street (Seamen's Hospital)	5,500	
2,627	88–98 (even) Gower Street	1,945	
1,197	16–24 Gordon Square	1,203	
—	104 Gower Street	47	
9,976	Total Rents	9,146	
129	(Dr) *Less* Agency Commission	162	
9,847			8,984
£9,847			£8,984

EXPENDITURE

1950–51		1951–52 93–97 Gower Street	Bentham Hall 31–43 Cartwright Gardens	28–29 Cartwright Gardens	Total
£		£	£	£	£
1,935	Rent	675	1,451	320	2,446
1,669	Rates and Insurance	508	1,117	164	1,789
345	Maintenance	125	383	59	567
1,882	Heating, Lighting and Water	617	2,253	223	3,093
3,450	Wages and N. Insurance	1,292	5,716	97	7,105
643	Laundry and Household Stores	216	532	11	760
2,965	Food	1,479	6,274	—	7,752
248	Repairs and Renewals, etc.	164	259	96	519
143	Sundry Equipment	111	183	—	294
200	Allocation to Maintenance Reserve	—	1,075	—	1,075
1,117	Salaries and Superannuation of Warden and Staff	394	927	—	1,321
14,597		5,581	20,170	970	26,721
71	*Surplus on 28–29 Cartwright Gardens*	—	—	—	—
£14,668		£5,581	£20,170	£970	£26,721

STAFF ACCOMMODATION

EXPENDITURE

1950–51		1951–52 37–38 Nevern Square	1, 3 and 5 Hornton Street	Total
£		£	£	£
90	Ground Rent	90	—	90
62	Rates and Insurance	26	37	63
46	Heating, Lighting and Water	9	29	38
92	Maintenance	8	68	76
4	Household Stores	1	2	3
270	Service	50	228	278
70	Telephone	22	55	77
4	Miscellaneous	—	2	2
—	Legal Expenses	33	23	56
(638)		£239	£444	£683
—	Professional Fees			3
	Treasury Loan:			
1,183	Interest		1,156	
897	Transfer to Redemption Fund		924	
(2,080)			—	2,080
45	Transfer to Leasehold Depreciation Fund (37–38 Nevern Square)			45
£2,763				£2,811

INCOME

1950–51		1951–52 93–97 Gower Street	Bentham Hall 31–43 Cartwright Gardens	28–29 Cartwright Gardens	Total
£		£	£	£	£
8,470	Fees	4,323	17,583	409	22,315
94	Telephone	32	109	11	152
228	Meter	72	100	52	224
—	Milk	38	—	—	38
64	Miscellaneous	2	—	—	2
1,935	Rent: transferred to College Income & Expenditure Account	675	1,451	320	2,446
10,791		5,142	19,243	792	25,177
126	Deficit on 93–97 Gower Street	439	—	—	439
3 751	Deficit on Bentham Hall	—	927	—	927
—	Deficit on 28–29 Cartwright Gardens	—	—	178	178
£14,668		£5,581	£20,170	£970	£26,721

SUMMARY

	£
Deficit on 93–97 Gower Street	439
„ „ Bentham Hall	927
„ „ 28–29 Cartwright Gardens	178
Total Deficit carried to Income and Expenditure Account	£1,544

ACCOUNT

INCOME

1950–51		1951–52 37–38 Nevern Square	1, 3 and 5 Hornton Street	Total
£		£	£	£
2,404	Rents	790	1,646	2,436
—	Receipts for Repairs	10	3	13
		£800	£1,649	£2,449
359	Balance for the year carried to Income and Expenditure Account			362
£2,763				£2,811

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BENEFACTIONS

Although a large part of the income of University College is derived directly or indirectly from the Government and Local Authorities or from fees, the College requires funds for developments and improvements which cannot be financed in this way. The Secretary of the College will be glad to advise intending benefactors regarding the needs of the College and the form of gift which would be most useful. A particularly suitable way of making gifts to the College is under seven-year deeds of covenant, and forms of agreement for this purpose can be supplied.